

FLORENTIN SMARANDACHE

OUTER-ART

EXPERIMENTATION IN
— PAINTINGS

— DRAWINGS, DRAFTS

— COMPUTER DESIGN,

COLLAGES, PHOTOS

LORENTIN

MARANDACHE

FLORENTIN SMARANDACHE

OUTER - ART

Experimentation in

- paintings
- drawings, drafts
- computer design, collages, photos

100 coloured - 15 black / white pictures

ABADDABA
2000

Ultra - modernism ?

Experimentum crucis.

What follows after post-modernism: ultra-modern art?

I would say **ars gratia ex-artis**, this is to be the state of my “outer art”. **¿ Por qué ? ¿ Por qué no !**

It seems that I am an anti-talent to drawings and paintings in a traditional manner. I even disregard this kind of art, which can easily be replaced by mechanical reproduction.

Therefore, I gathered nearly a quarter of my “anti-art” art-work done in Turkey, USA (here I got in touch with the straight art, in bright basic colors - yellow for the sun, blue for the sky, red for the fire, and black for the night, somehow naive, of Navajo, Zuni, Apache, Hopi and Pima Indian tribes), and Mexico, between 1988 - 2000, in a paradoxist way:

- painting for non-painting's sake
- not drawings, but our every day's scribbles
- painting overlapping another painting
- found art in the wasting basket of the art
- fine ugly art
- para-art and contra-art
- art without art
- scientific art.

All of the above procedures become, after a period of maybe shocking time, ‘normal’ (please read ‘traditional’) art. Which later would be classified, in their turn, as supernuated. And again they come back to life with a “neo” prefix art, because art is cyclic.

Let's catch the paradoxism in art — an avante-garde movement I set up in 1980's, which is focusing on contradictions (art + antiart/nonart), heterogeneity (art + science), innovation (new species of art). Or **savoir faire un chef-d'œuvre**, which paraphrases a French maxim: to know how to make the unmakeable. Or **ars celare non-artem**, which runs counter a Latin adage.

Let's revolt against petrified “classicized” art, and fight for a New Art World Order. And I would like to end with a Navajo language greeting, to see you next time: HÀ GOONÈH !

The (Non)Artist

ABSTRACT LANDSCAPES











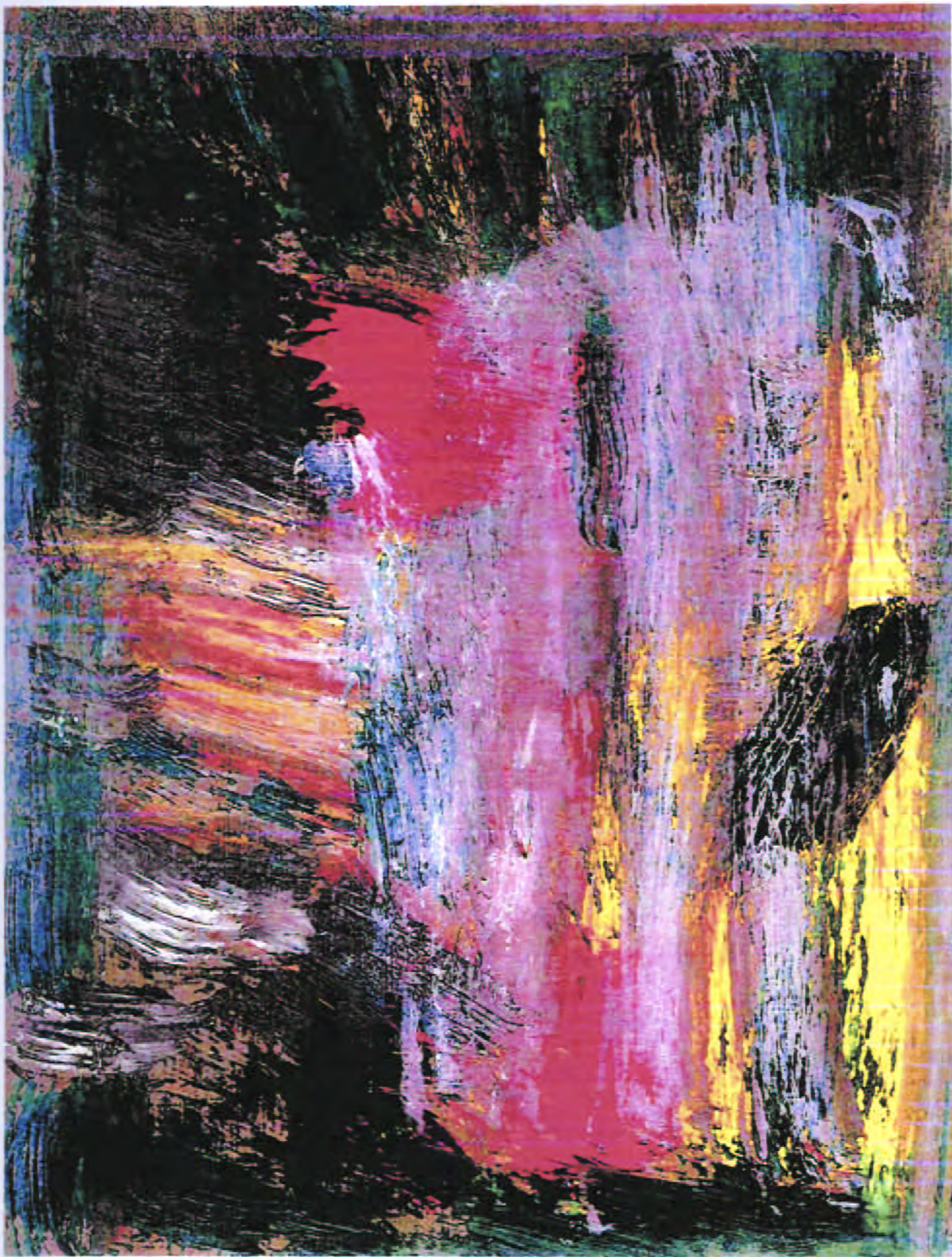












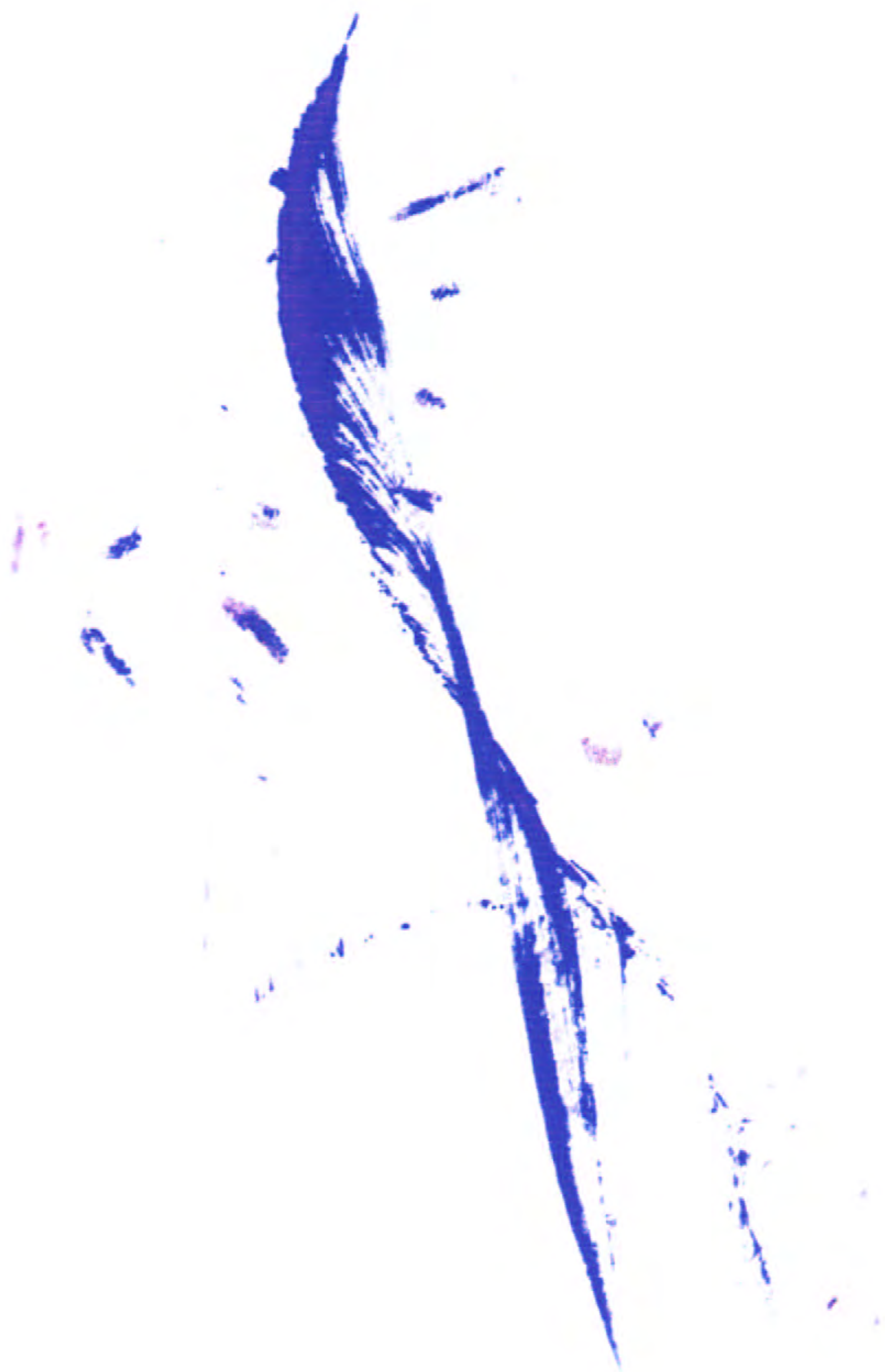




EXTRA - FLOWERS

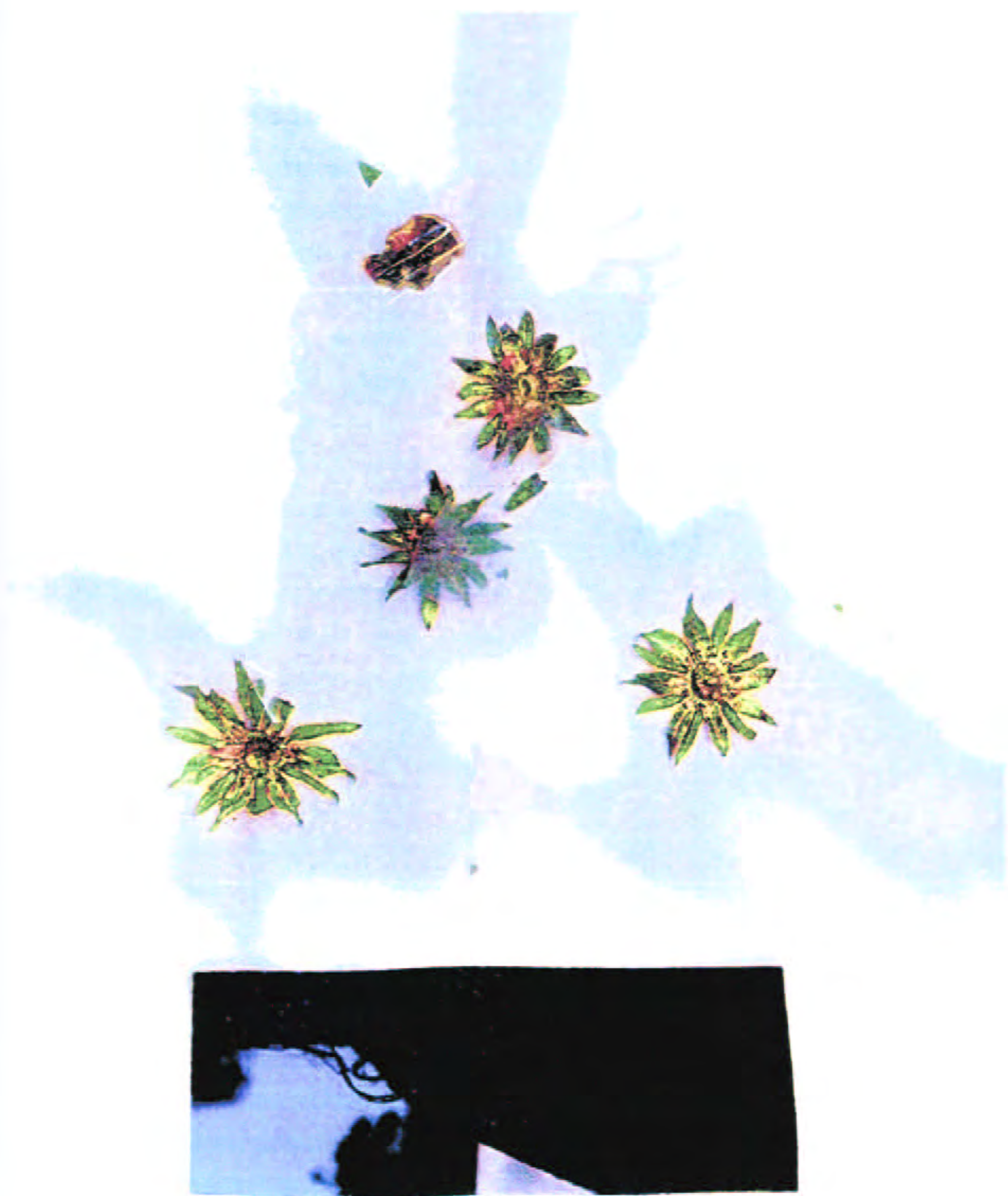




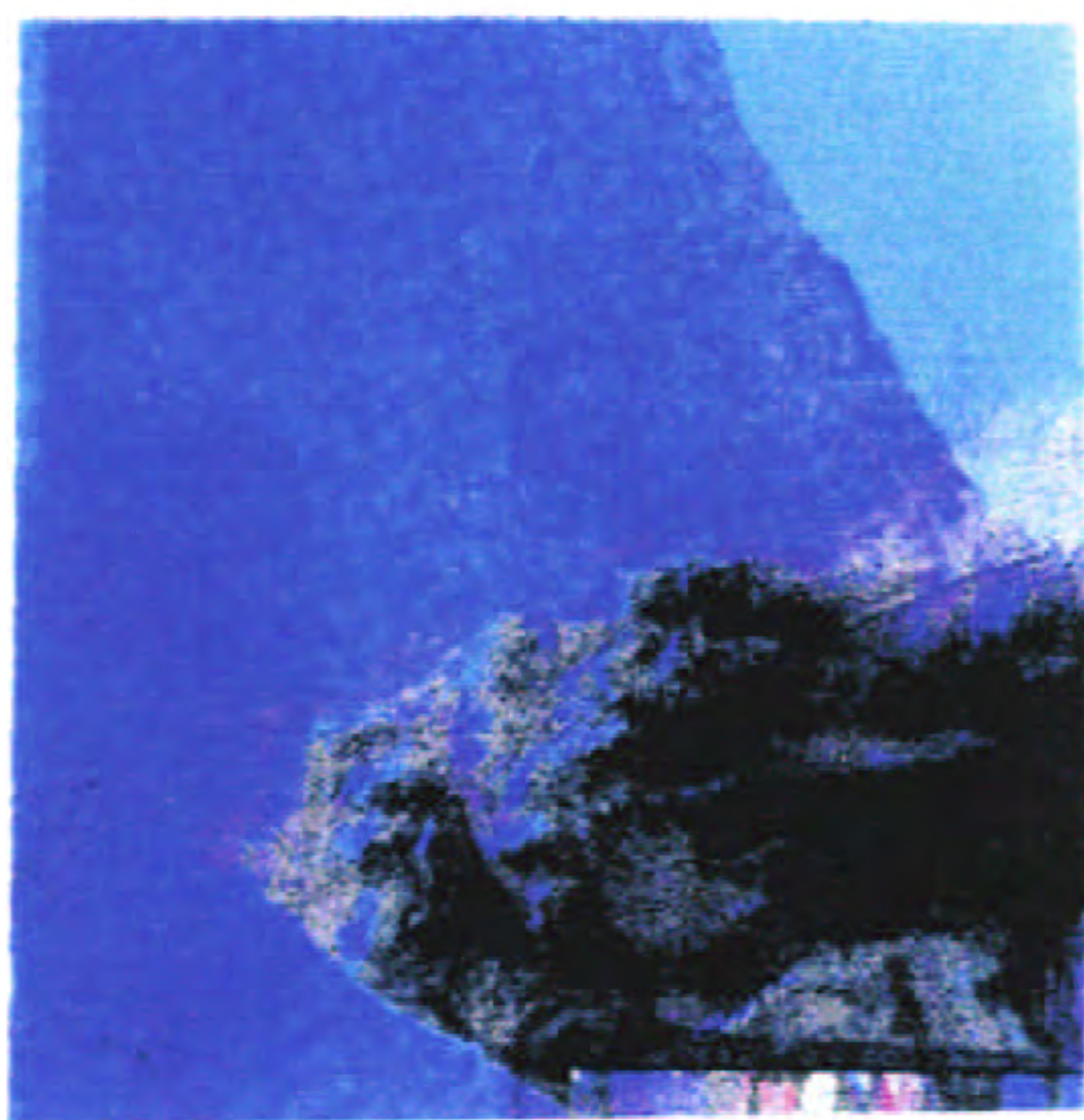


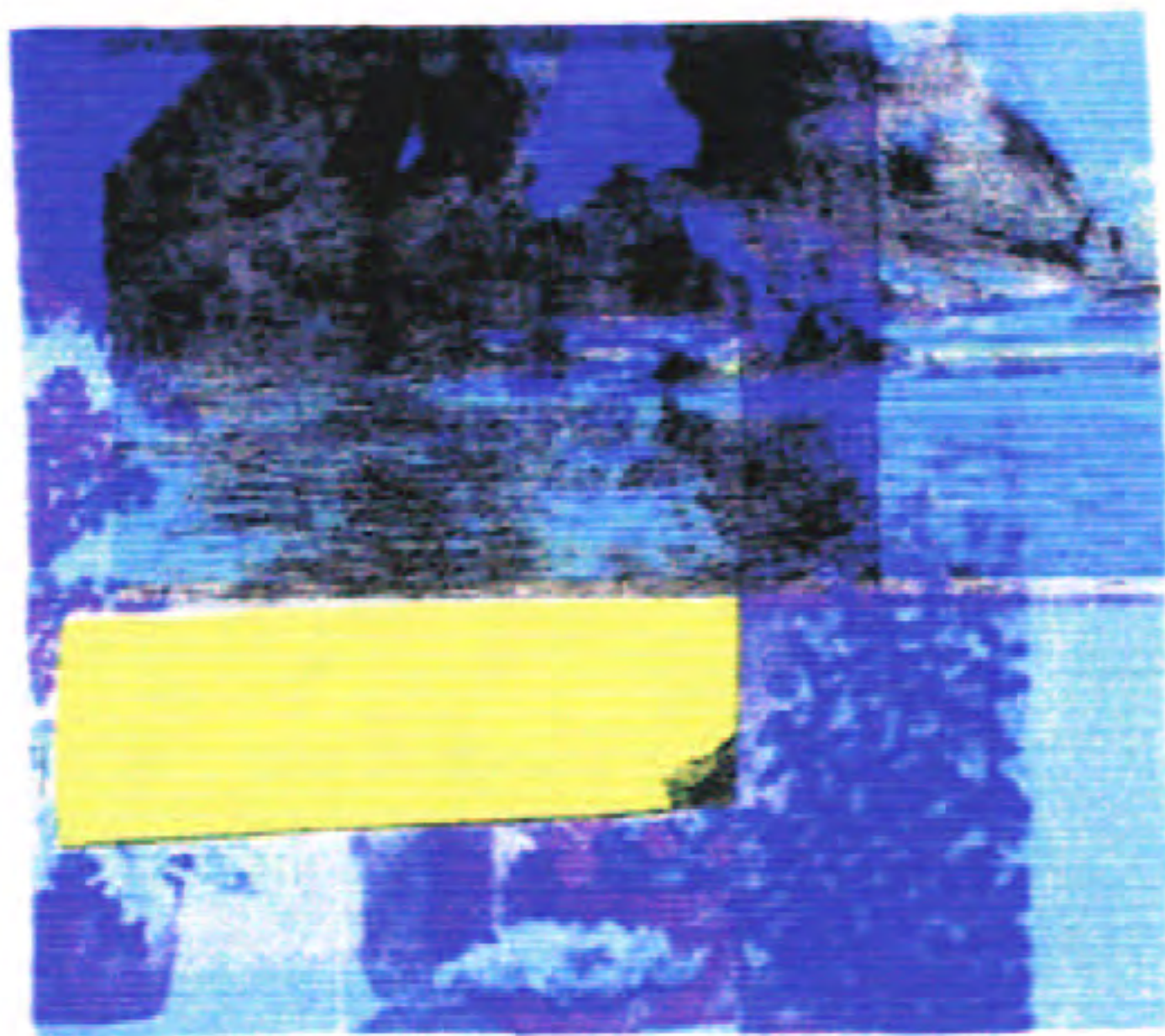






SUBMARINE COUNTER - IMAGES

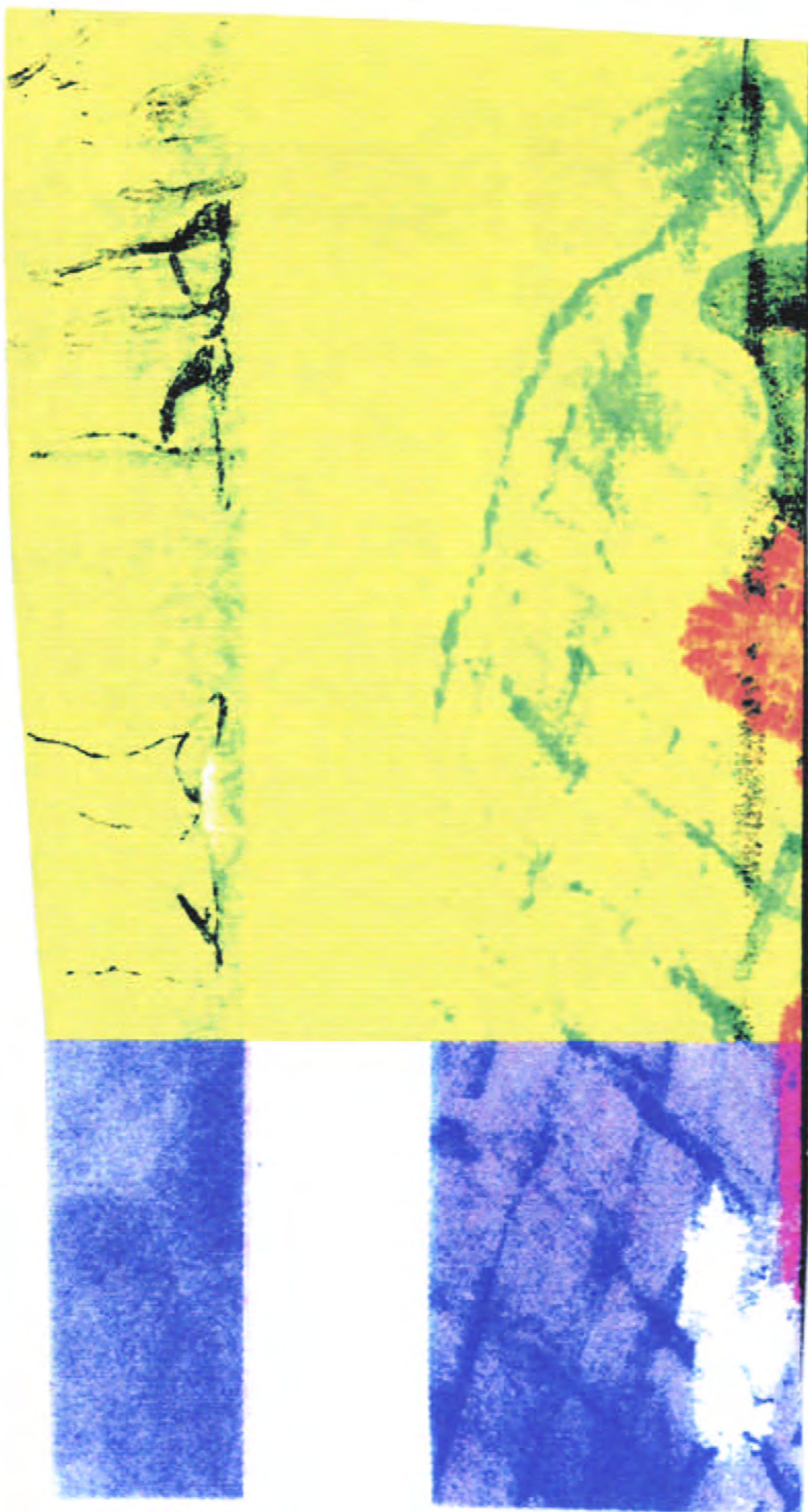




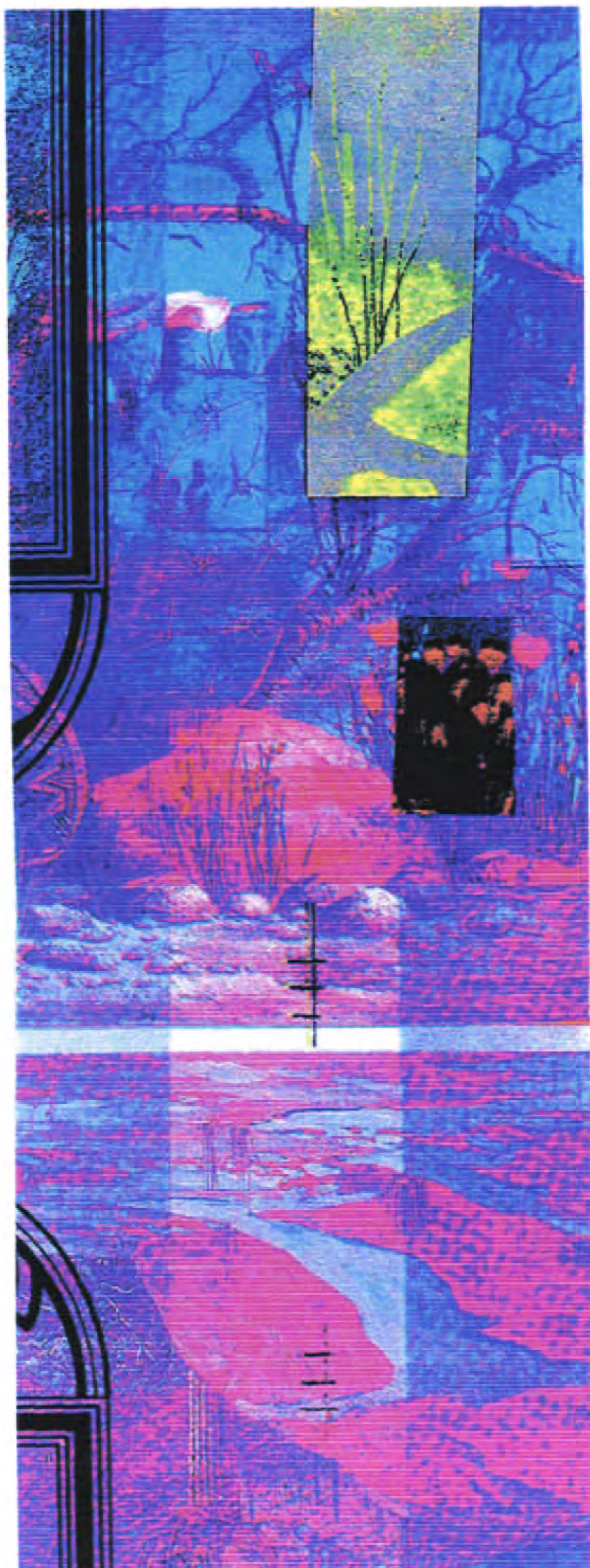
OVERPAINTINGS
(“Kachina, the Great Spirit of Indians”)



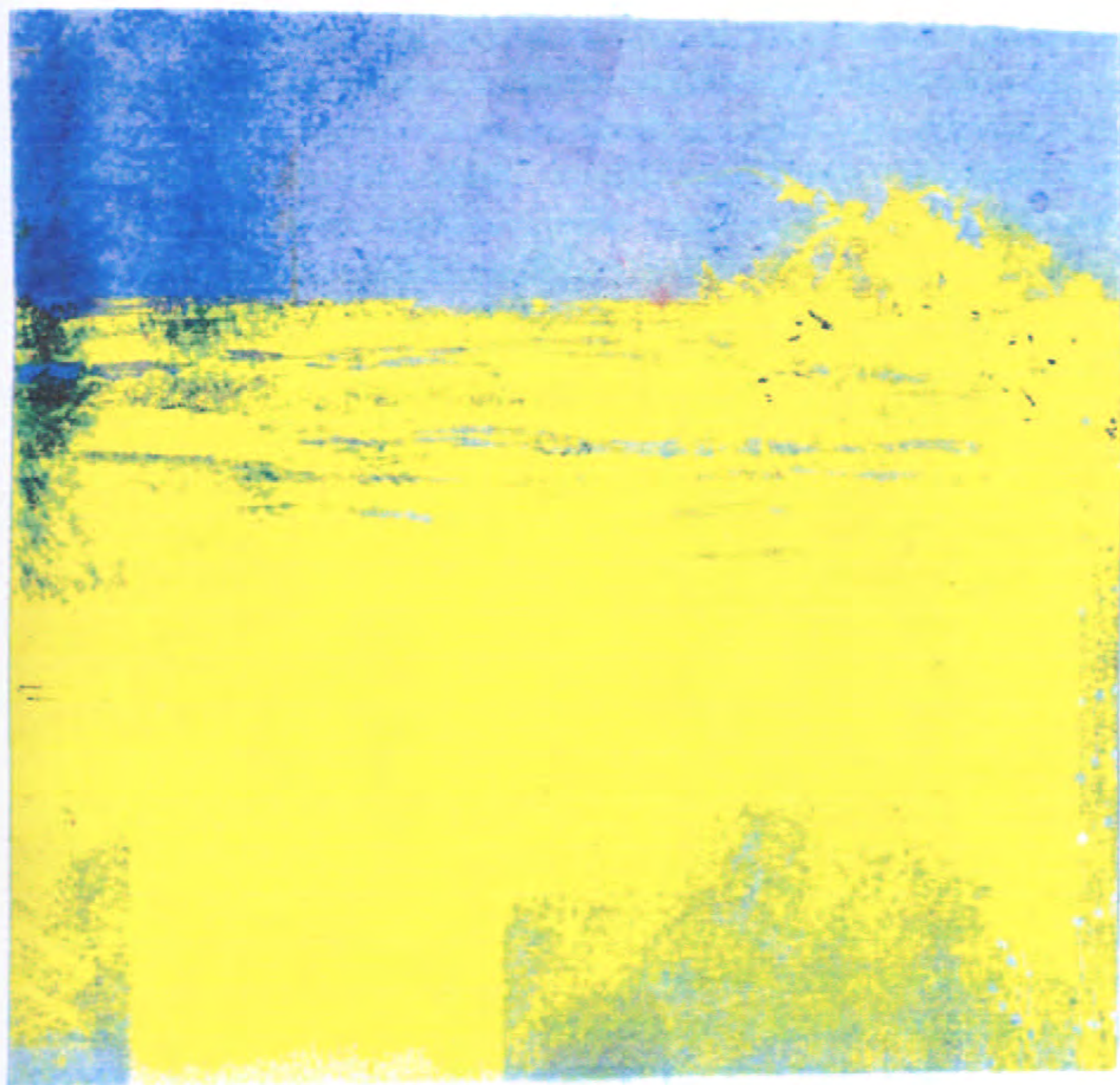




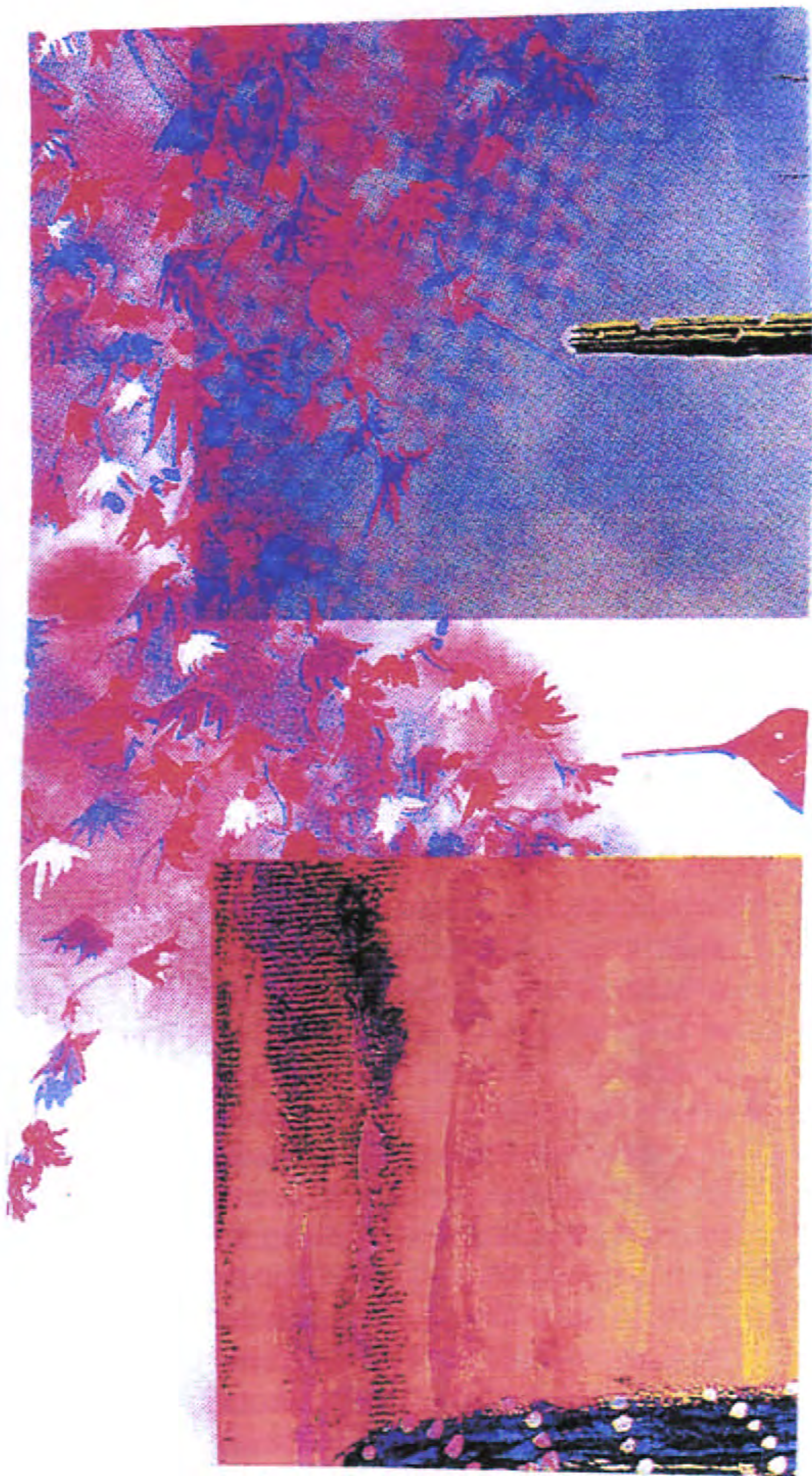






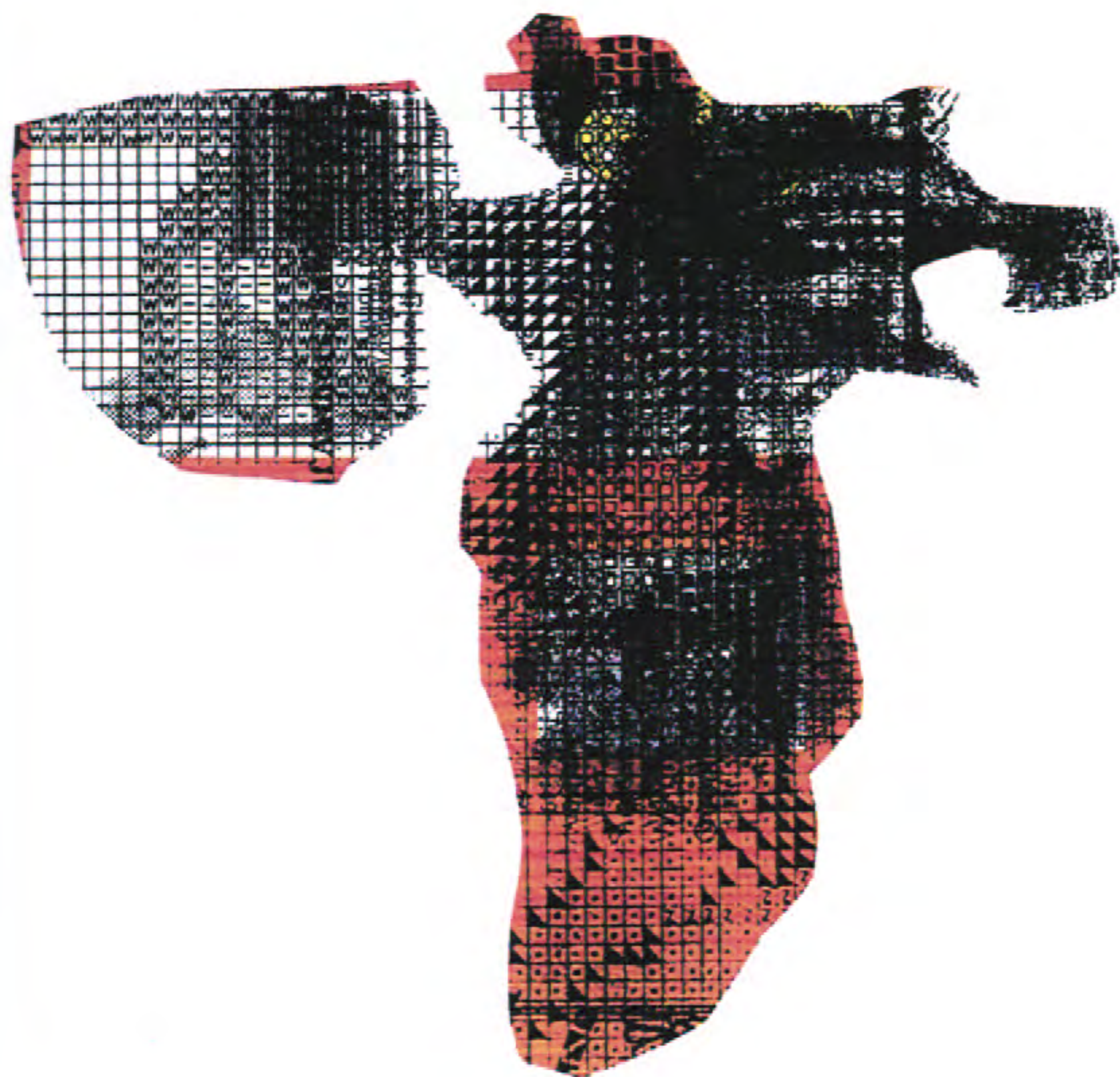




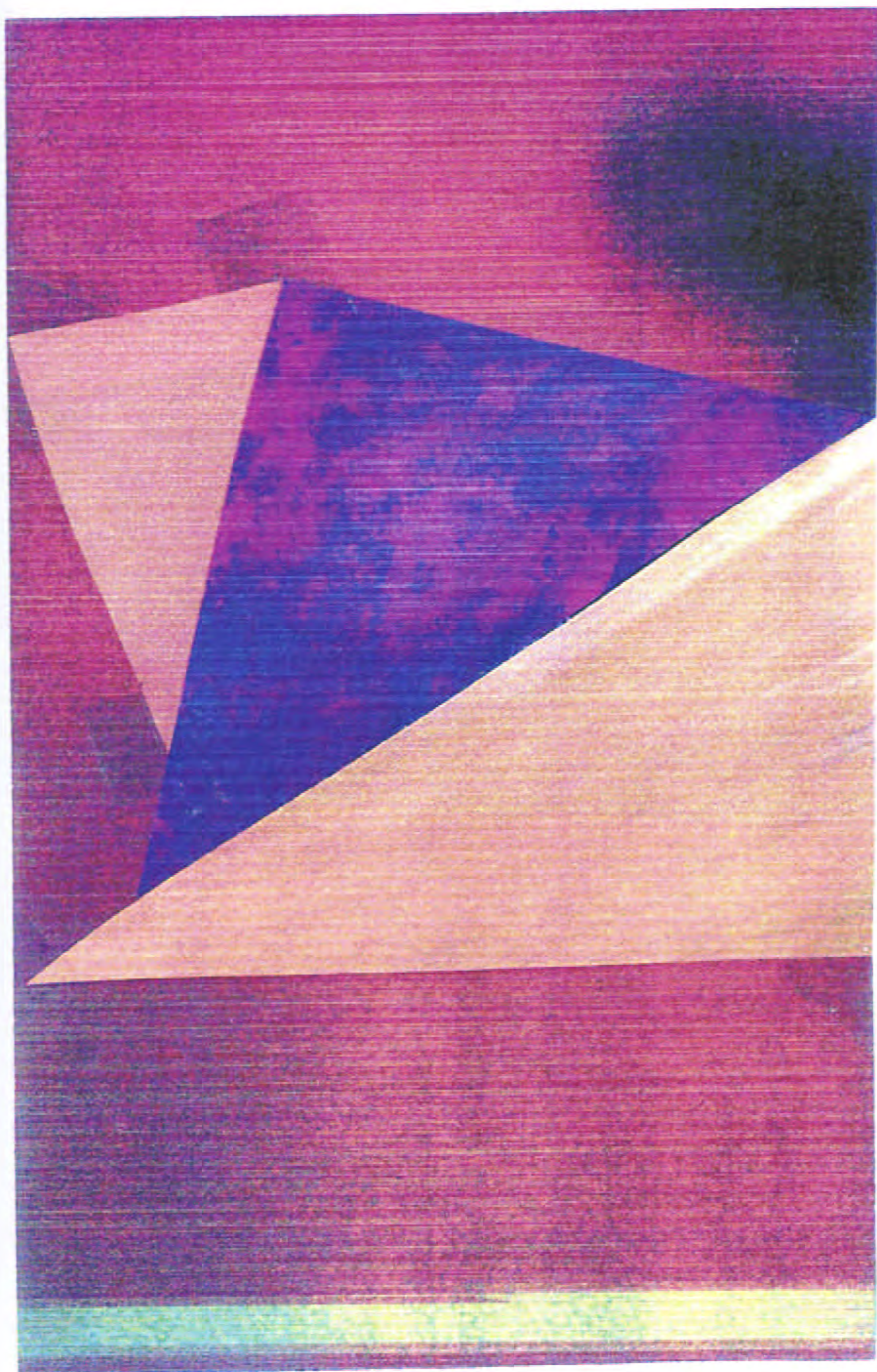


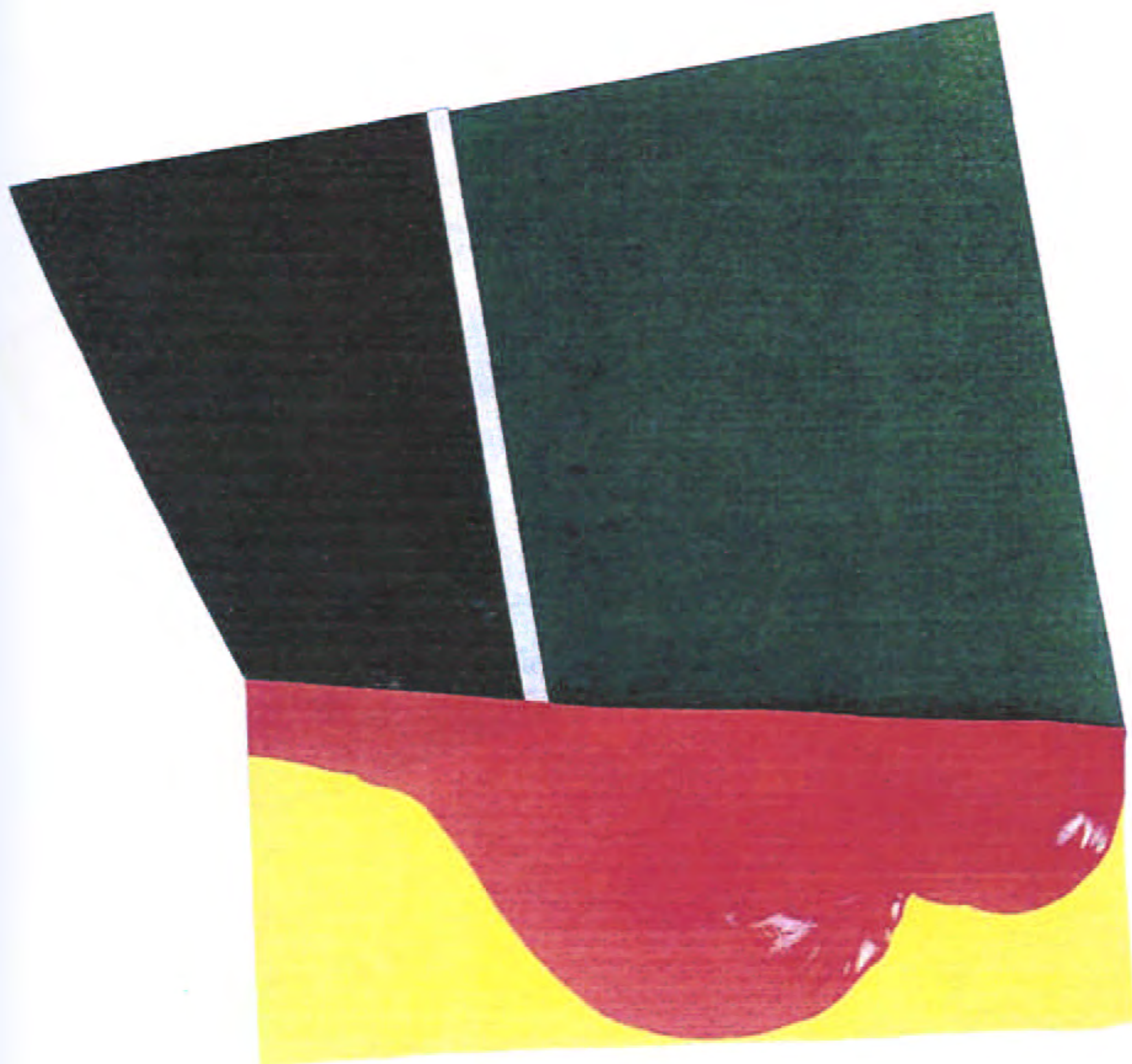




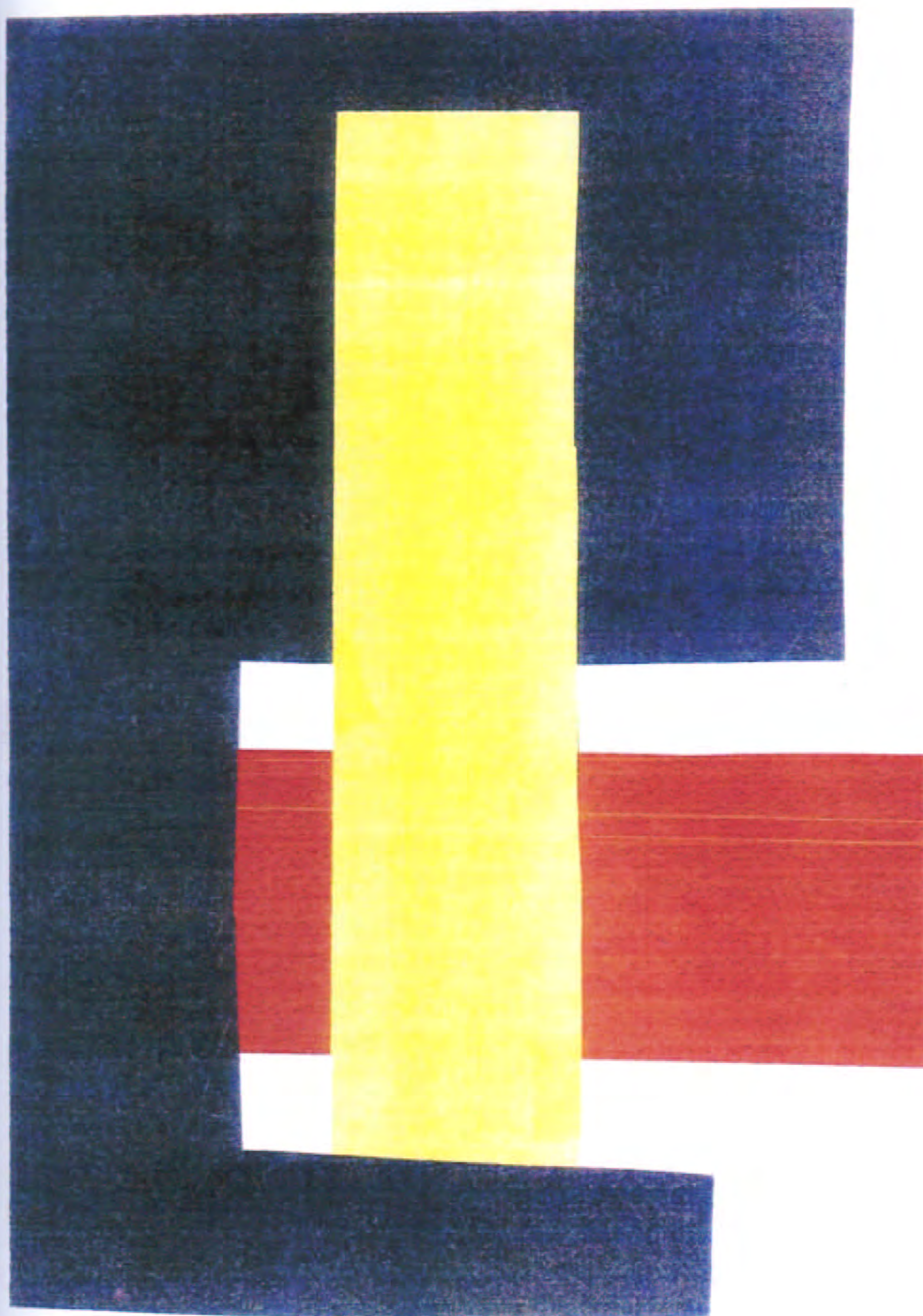


GEOMETRISM

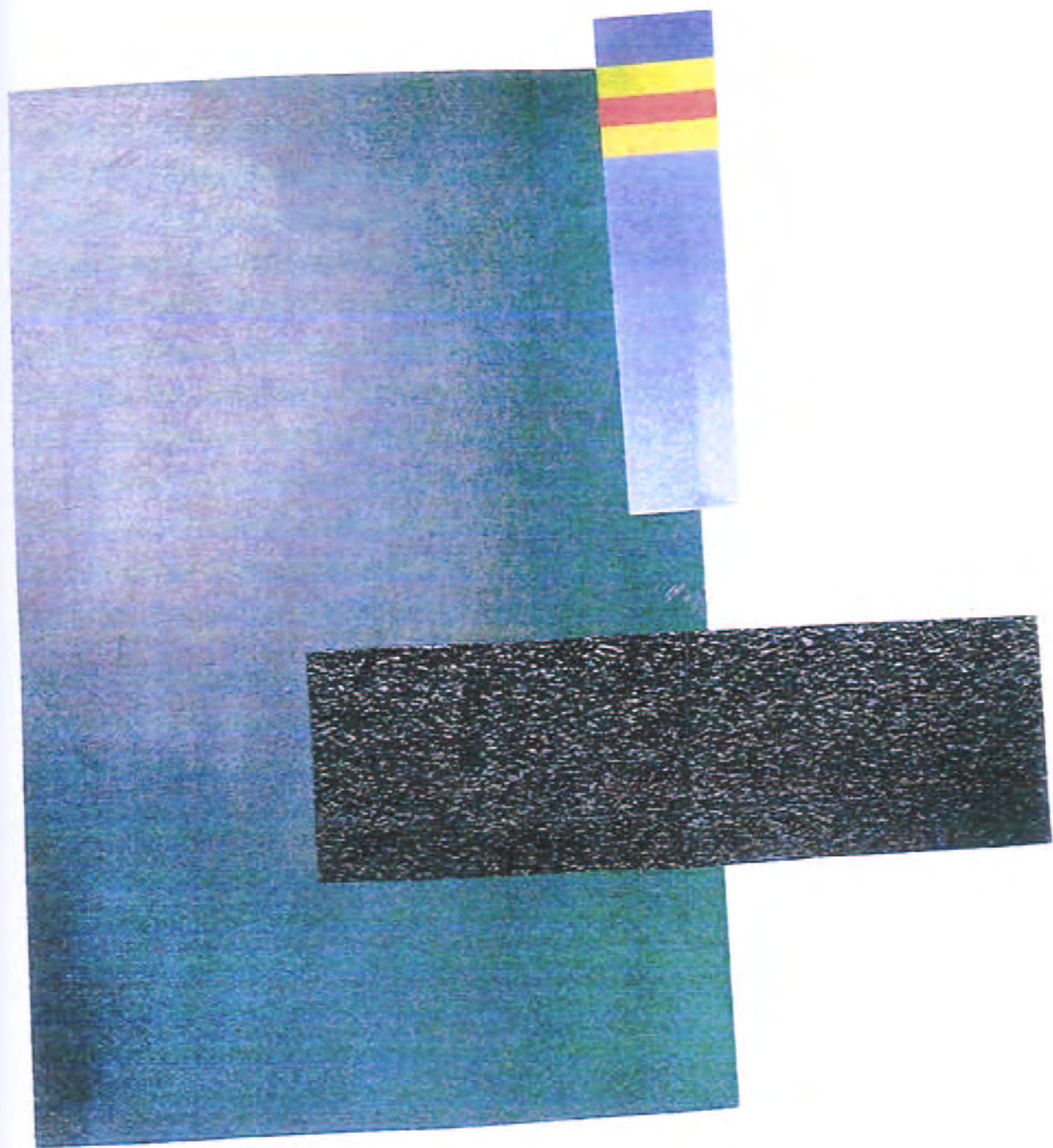


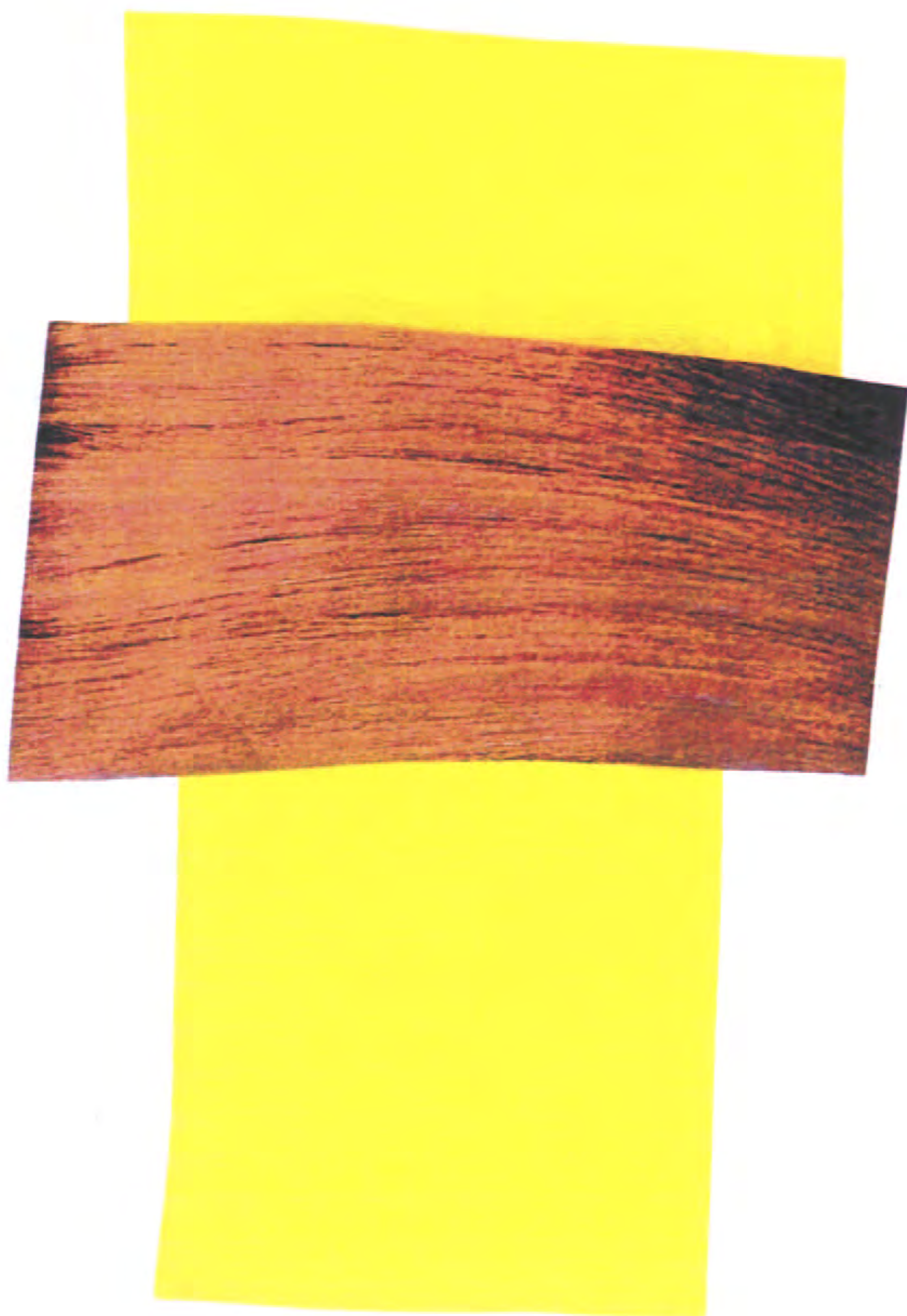


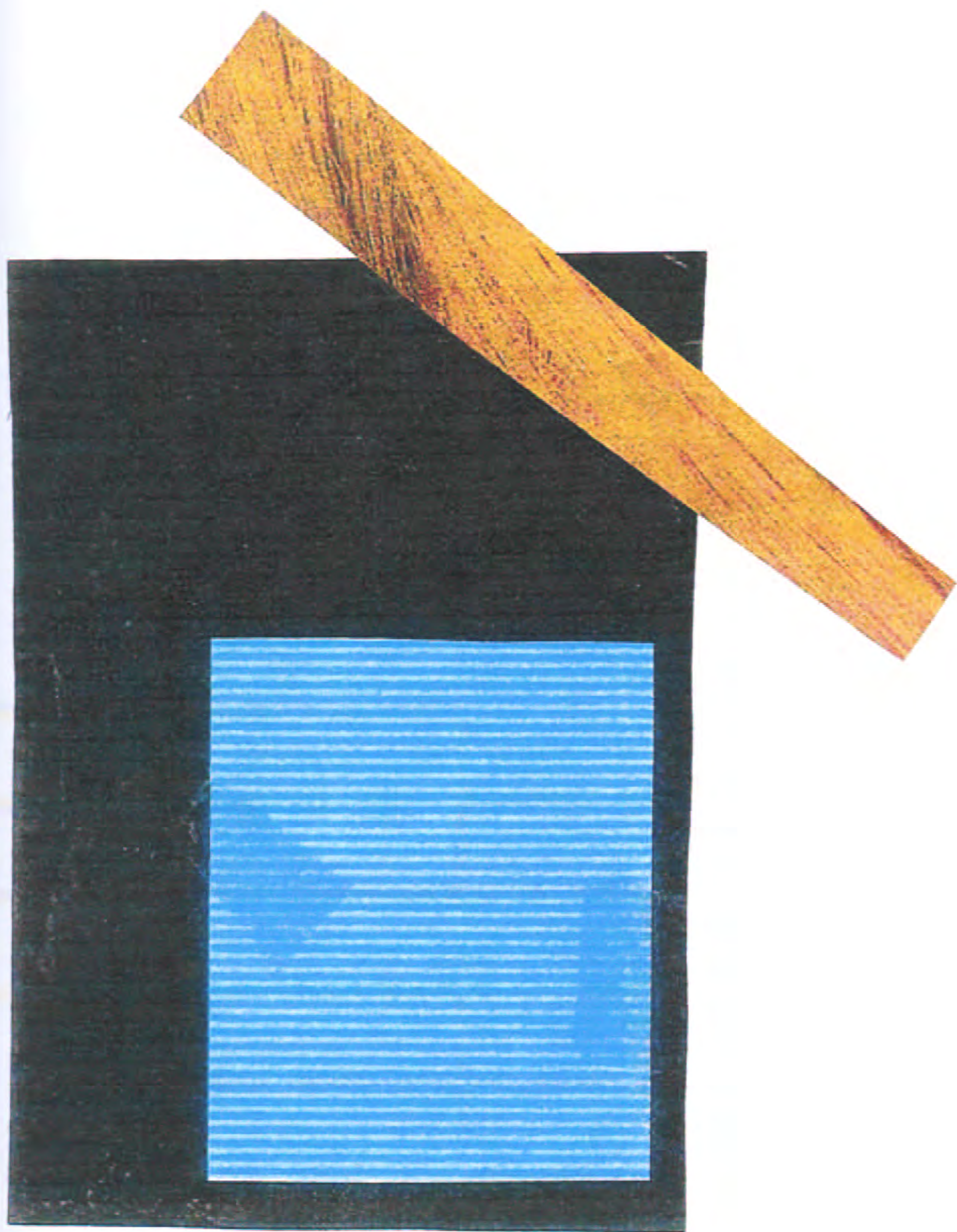






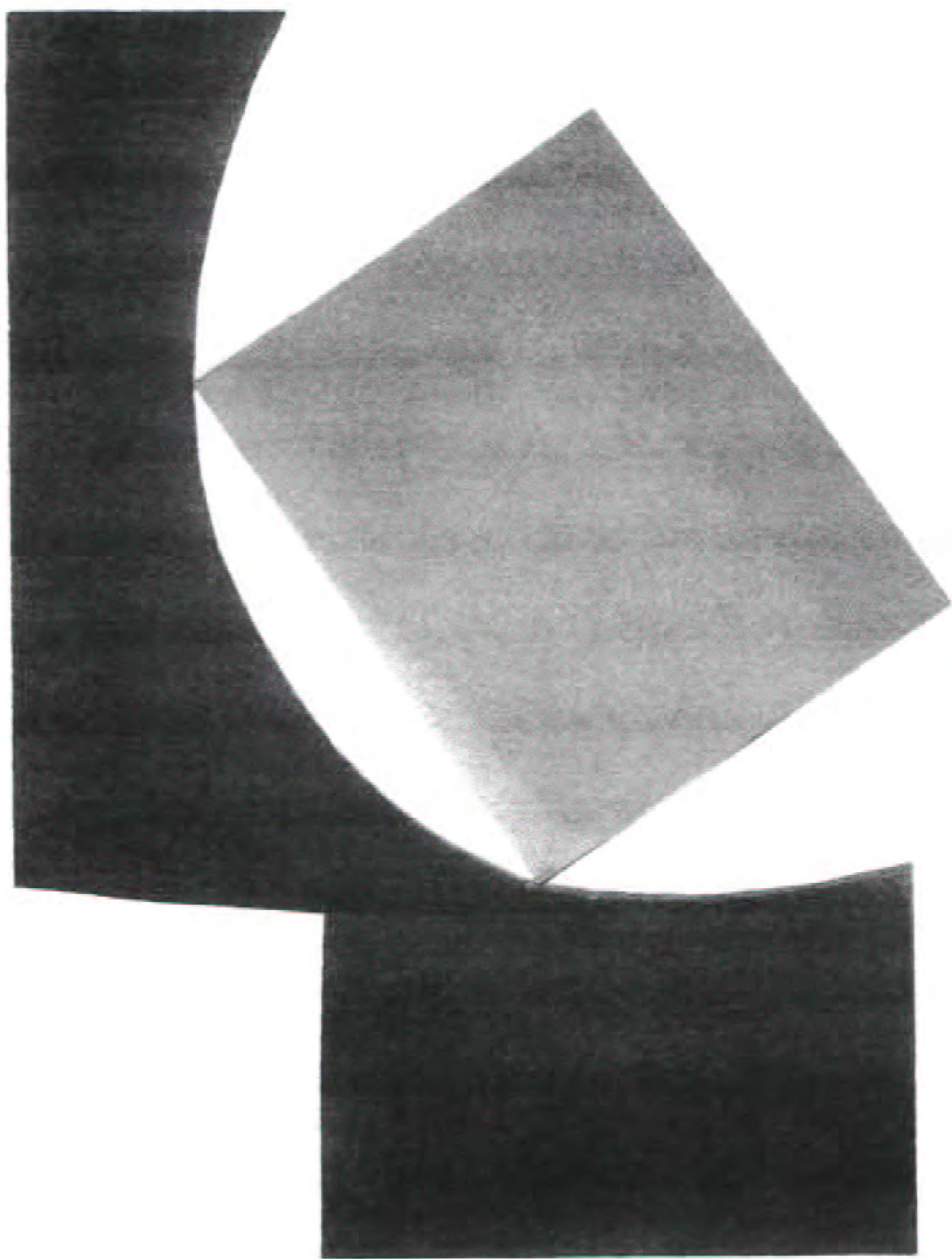




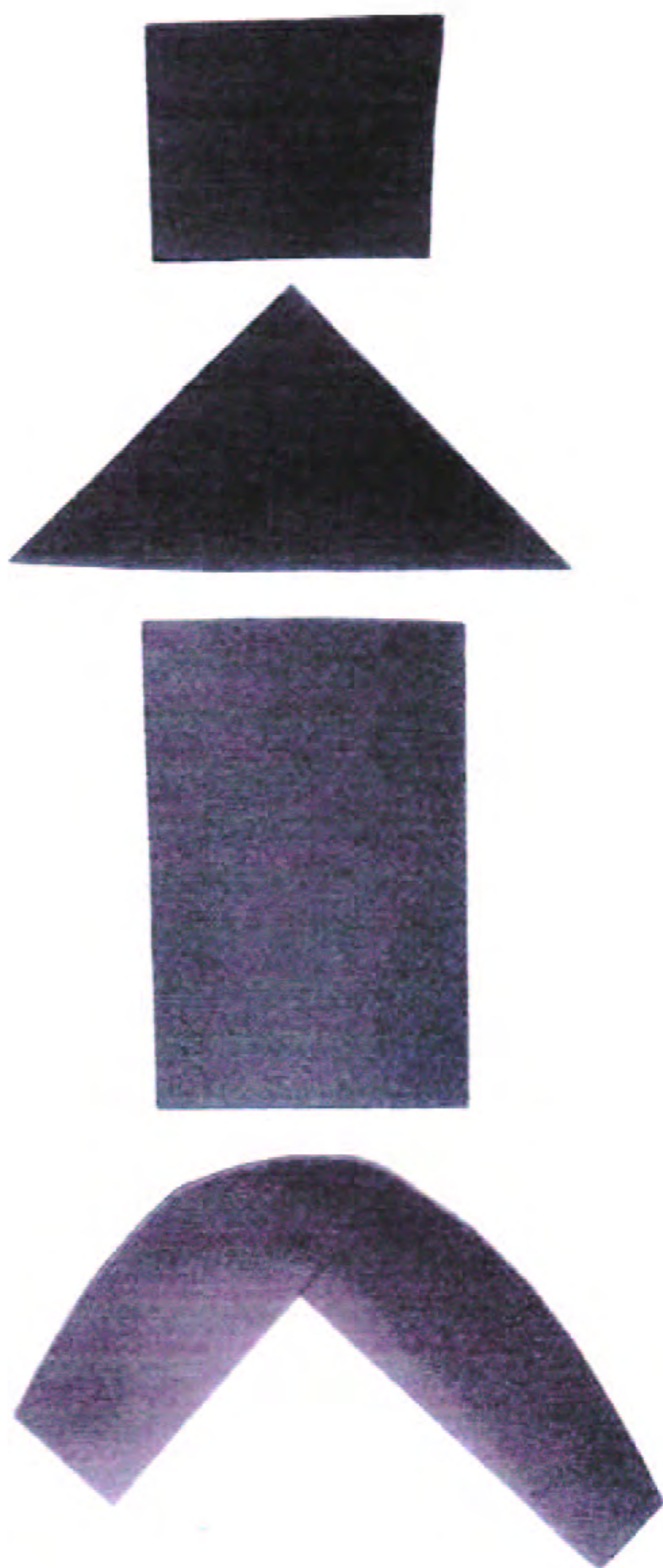


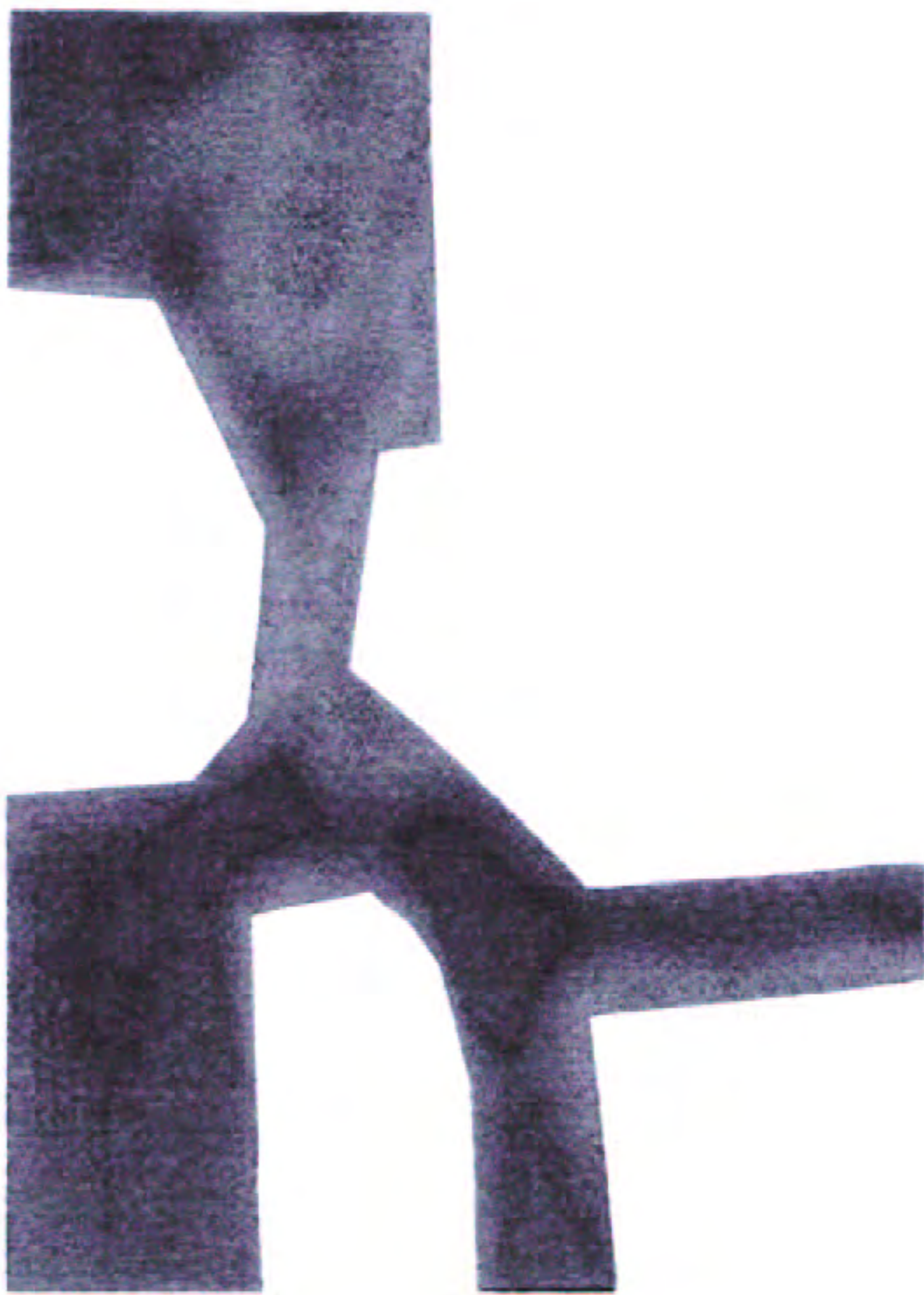
SNAPSHOTS













SCRIBBLINGS
(Ante-Art & Post-Art)







$$\begin{array}{r} 14x + 28y \\ -14x + 42y \\ \hline 70y \end{array}$$

$$\begin{aligned} x &= \frac{1}{2} \left(\frac{14}{20} \right) \\ &= \frac{1}{2} \left(\frac{7}{10} \right) \\ &= \frac{1}{2} \left(\frac{7}{10} \right) \\ &= \frac{7}{20} \end{aligned}$$

$$\begin{array}{r} 2 \sqrt{3x^2 + 2x - 3} \\ 3x^2 + 2x - 3 \\ -3x^2 + 6x \\ \hline 8x - 3 \end{array}$$

$$2 - 6 + 8 = 4$$

$$13x^2 + 17 - 14x - 3x^2 - 14x - 3$$

$$\frac{7}{10} \left(\frac{1}{20} \right) \left(\frac{11}{2} \right)$$

$$x^2 + 7x^2 - 32x$$

16

$$\left(\frac{1}{2} \right)$$







repeated compositions:

$g: \mathbb{N} \rightarrow \mathbb{N}$, such that $g(n) \leq n$ for all n .

A function related to g is defined as below

least integer k such that

$$(g \circ g \circ \dots \circ g)(n) = \text{constant.}$$

k times

Study, for example, the function that associates to every non-negative integer n the number of positive divisors of n . In this case

Ref: succ

same ~~claim~~ number of prime factors of n is not exceeded by $g(n)$.
 $p(n) \leq g(n)$ for all n .
 prime factors of n .

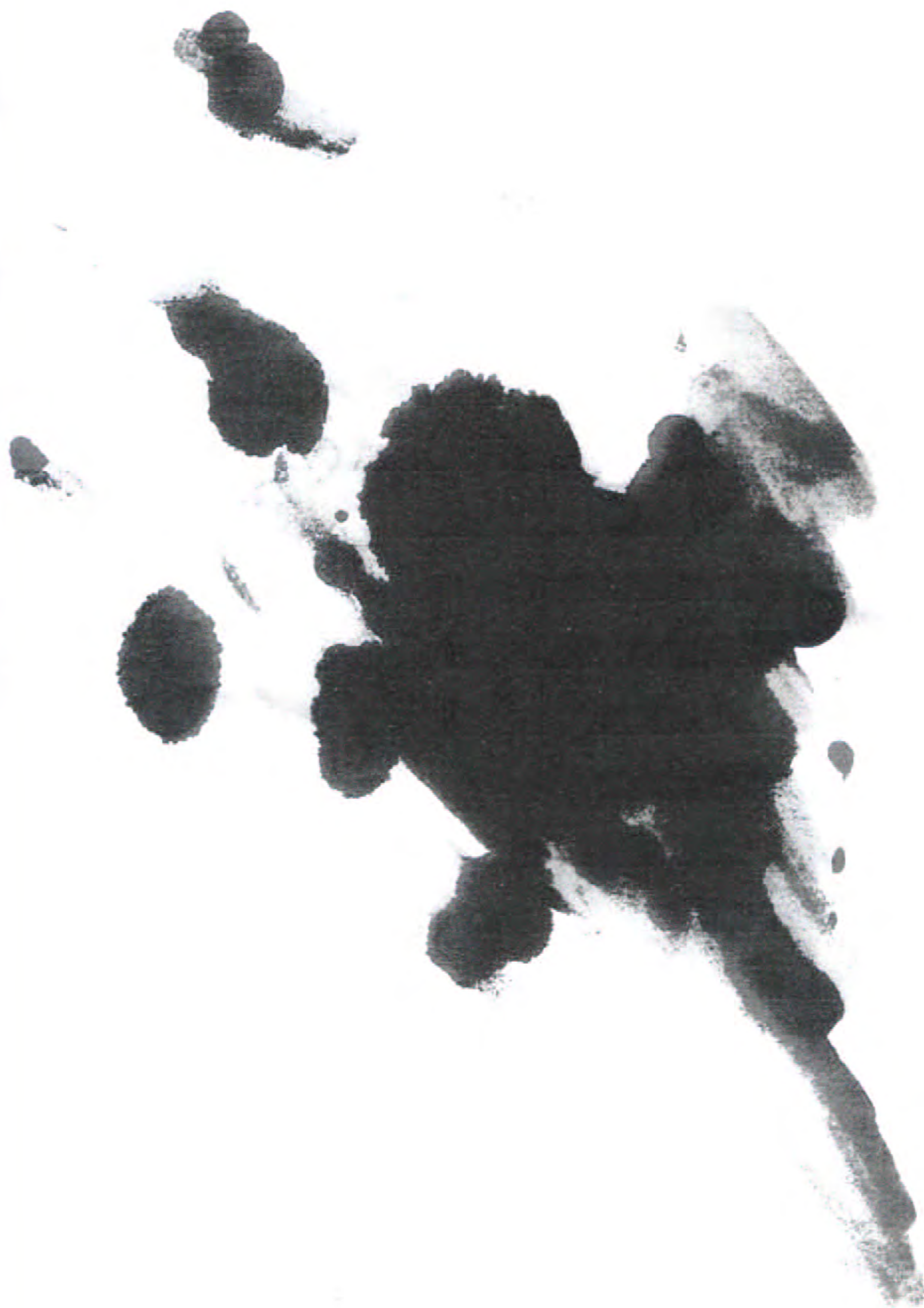
From the rest of natural number

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
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211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240
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15907, 15923, 15937, 15953, 15967, 15983, 15997, 16007, 16023, 16037, 16053, 16067, 16083, 16097, 16107, 16123, 16137, 16153, 16167, 16183, 16197, 16207, 16223, 16237, 16253, 16267, 16283, 16297, 16307, 16323, 16337, 16353, 16367, 16383, 16397, 16407, 16423, 16437, 16453, 16467, 16483, 16497, 16507, 16523, 16537, 16553, 16567, 16583, 16597, 16607, 16623, 16637, 16653, 16667, 16683, 16697, 16707, 16723, 16737, 16753, 16767, 16783, 16797, 16807, 16823, 16837, 16853, 16867, 16883, 16897, 16907, 16923, 16937, 16953, 16967, 16983, 16997, 17007, 17023, 17037, 17053, 17067, 17083, 17097, 17107, 17123, 17137, 17153, 17167, 17183, 17197, 17207, 17223, 17237, 17253, 17267, 17283, 17297, 17307, 17323, 17337, 17353, 17367, 17383, 17397, 17407, 17423, 17437, 17453, 17467, 17483, 17497, 17507, 17523, 17537, 17553, 17567, 17583, 17597, 17607, 17623, 17637, 17653, 17667, 17683, 17697, 17707, 17723, 17737, 17753, 17767, 17783, 17797, 17807, 17823, 17837, 17853, 17867, 17883, 17897, 17907, 17923, 17937, 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degree using the inverse trigonometric functions:

$$\tan \theta = 0.1111$$

- A.
- B.
- C.
- D.

None of the above.

(5) Solve the right triangle $\triangle ABC$ when $a = 55.1$ and $\angle B = 40^\circ$.

- A.
- B.
- C.
- D.
- E.

None of the above.

(5) Solve the right triangle $\triangle ABC$ when $b = 25$ and $\angle A = 90^\circ$.

- A.
- B.
- C.
- D.
- E.

None of the above.

(5) Convert 18.15° to radians.

- A.
- B.
- C.
- D.
- E.

None of the above.

(5) Convert 23.15 radians to degrees.

- A.
- B.
- C.
- D.
- E.

None of the above.

Dr. Flo... ndache, UNM-G, Spring 1998,
Precal... (ometry) MATH 123, Test #1,
(Ch. ...)

DATE (Print)

(Print)

No books or notes. No collaborative work. Calculators are permitted.

to the nearest thousandth

(5) 1. Use your calculator to evaluate:



E. None of the above.

(5) 3) Evaluate angle θ to the nearest thousandth of a degree using the inverse trigonometric functions:

$$\cos \theta = 0.11111$$

- A.
- B.
- C.
- D.
- E.

None of the above.

(5) 4) Evaluate angle θ to the nearest thousandth of a

62	18
31	9
15	4
7	2
2	1

ii sequence

21123, 4321123, 583212345,

Is symmetric sequence (i)

21123 4321123 5832123

[illegible]

PAPER:
GREEN
GOLD

$$9:4 = ?$$



$$a \times b = \frac{2a \cdot b}{2} = 4a \cdot \frac{b}{4}$$

$$a : b = \frac{a}{2} : \frac{b}{2} = \frac{a}{4} : \frac{b}{4} = \dots$$

9	4
4	2

Experimental	Mathematics
--------------	-------------

- Anti-logics
- Paradoxical Geometries (I-?)
- Anti-geometry
- Multi-space
- ~~Multi-structure~~ Multi-structure
- Anti-structure



- trebuie agiuns la
în ~~stare~~ de
- către excludin stă
lui 1
- totul va fi:
- ~~at~~ me - năpăst
- ? ~~stare~~ din stă
(exceptie către
- înmușit cu cel
- ? din dințu
- (suma lor)

~~Multi-structure~~ Multi-structure

- Anti-structure

3 | 4

6 | 2

3 | 1

1 | 1

3 | 1

7 | 2

3 | 1

15 | 4

7 | 2

3 | 1

next = 0

next = 1

next = 2

next = 3

3 | 4



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90
 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120
 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150
 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180
 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210
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 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330
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 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390
 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420
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 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480
 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500

**Arithmetic progressions: Problem 88-5 by
 Florentin Smarandache (Craiova, Romania)**

For any prime $m > 2$ and any positive integer n ,
 show that the set $\{1, 2, 3, \dots, m^n\}$ has a subset A of
 cardinality $k(m, n) = (m - 1)^n$ with the following
 property: A contains no m -term arithmetic progres-
 sion.

Is this value of $k(m, n)$ best possible?

237 238 239 240
 267 268 269 270
 297 298 299 300
 327 328 329 330
 357 358 359 360
 387 388 389 390
 417 418 419 420

21, 25, 29, 33, 35, 37, 43, 49, 51,
 62, 63, 73, 75, 77, 81, 85, 89,
 107, 109, 113, 115, 117, 121, 123, 129, 131, 135, 137,



7 mi

$$\tan 30^\circ = \frac{70}{6}$$

$$\cos x = \sqrt{\cos^2 x}$$

9.17 mi 57

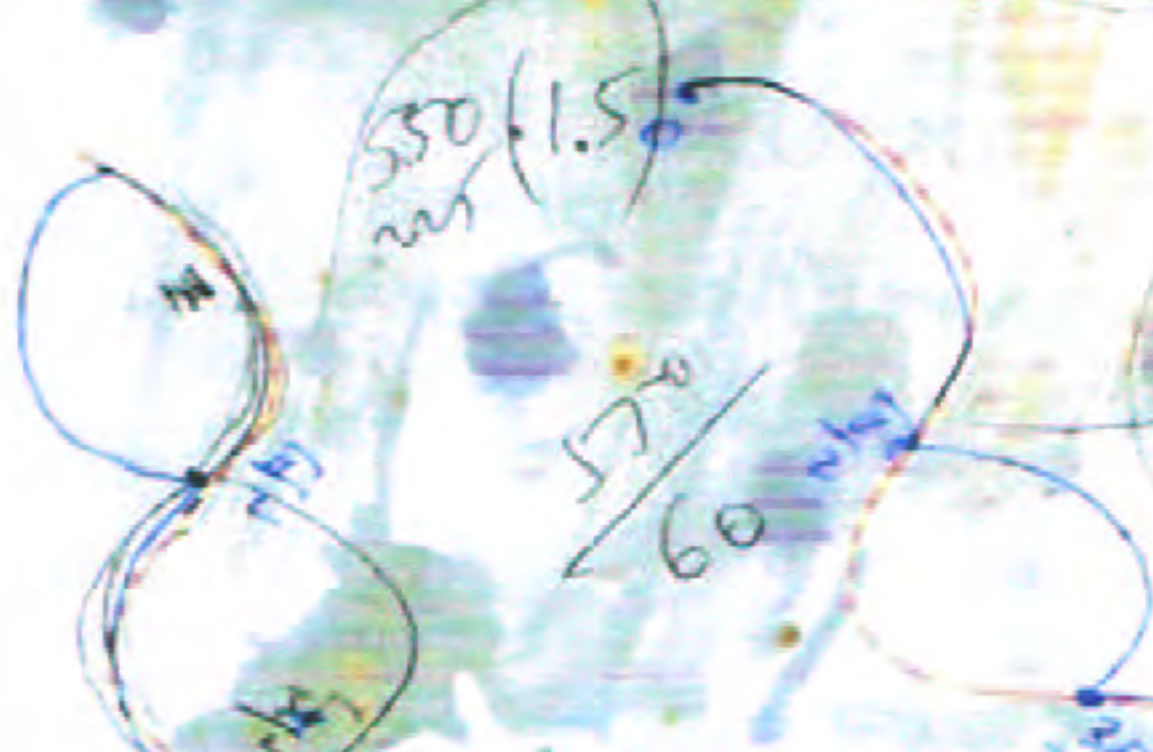
$$\frac{\frac{1}{2}}{\frac{\sqrt{3}}{2}} = \frac{\sqrt{3}}{3}$$

1 mile = 1806 meters
 5,428 feet

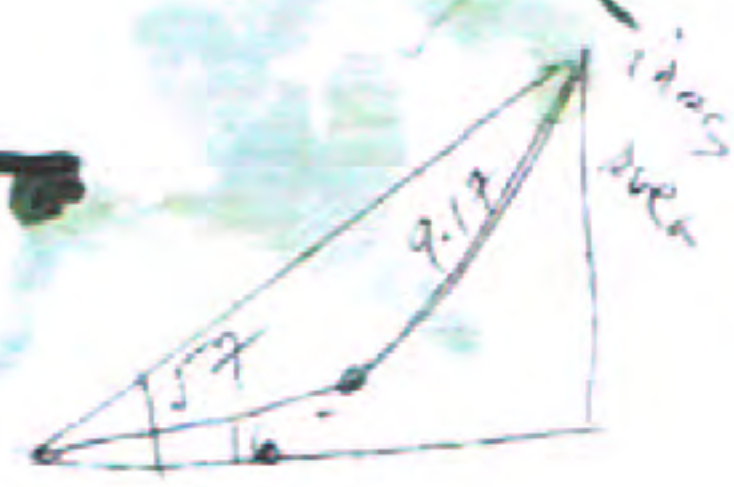


$$\cos x = \sqrt{\cos^2 x}$$

$$1 - \sin^2 x = \cos^2 x$$



1 mile = 1609 m



$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

~~scribbled out~~

$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

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$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

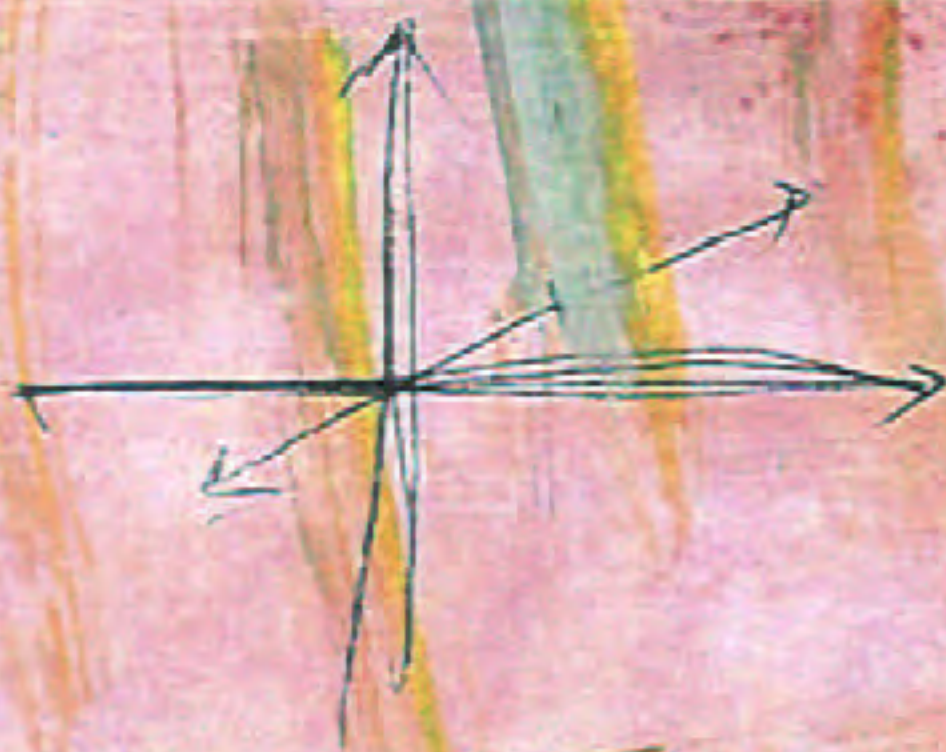
$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

$$\sum_{n=0}^{\infty} n^n = \left(\sum_{n=0}^{\infty} n \right)$$

$$f_x \vec{i} + f_y \vec{j}$$

$$d_x = 1$$

$$= 0$$



$$\left(\frac{\sqrt{35}}{35}, \frac{\sqrt{35}}{35}, \frac{\sqrt{35}}{35} \right)$$

$$\frac{\sqrt{35}}{35} (1, 3, 5)$$

$$L(f) = L(f - f(0))$$

$$f(x) = x - [x]$$

$$L(f) = f(0) - f'(0)$$

$$p(x) = 2$$

$$f(x)$$

$$\frac{df}{dx}$$

$$f' = b$$

$$f(x) = f(0)$$

$$f(x) = f(0)$$

$$f(x) = f(0)$$

$$g(0) = b$$

$$f(x) = f(0) + f'(x)$$

$$f(x) = b$$

$$f(x) = f'(x)$$

$$f(x) = f'(x)$$

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$$\begin{pmatrix} 3 & 2 & 1 \\ 2 & 1 & 0 \\ 1 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 2 & 1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 2 & 1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 2 & 1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 2 & 1 & 0 \\ 1 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$$



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$$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$$

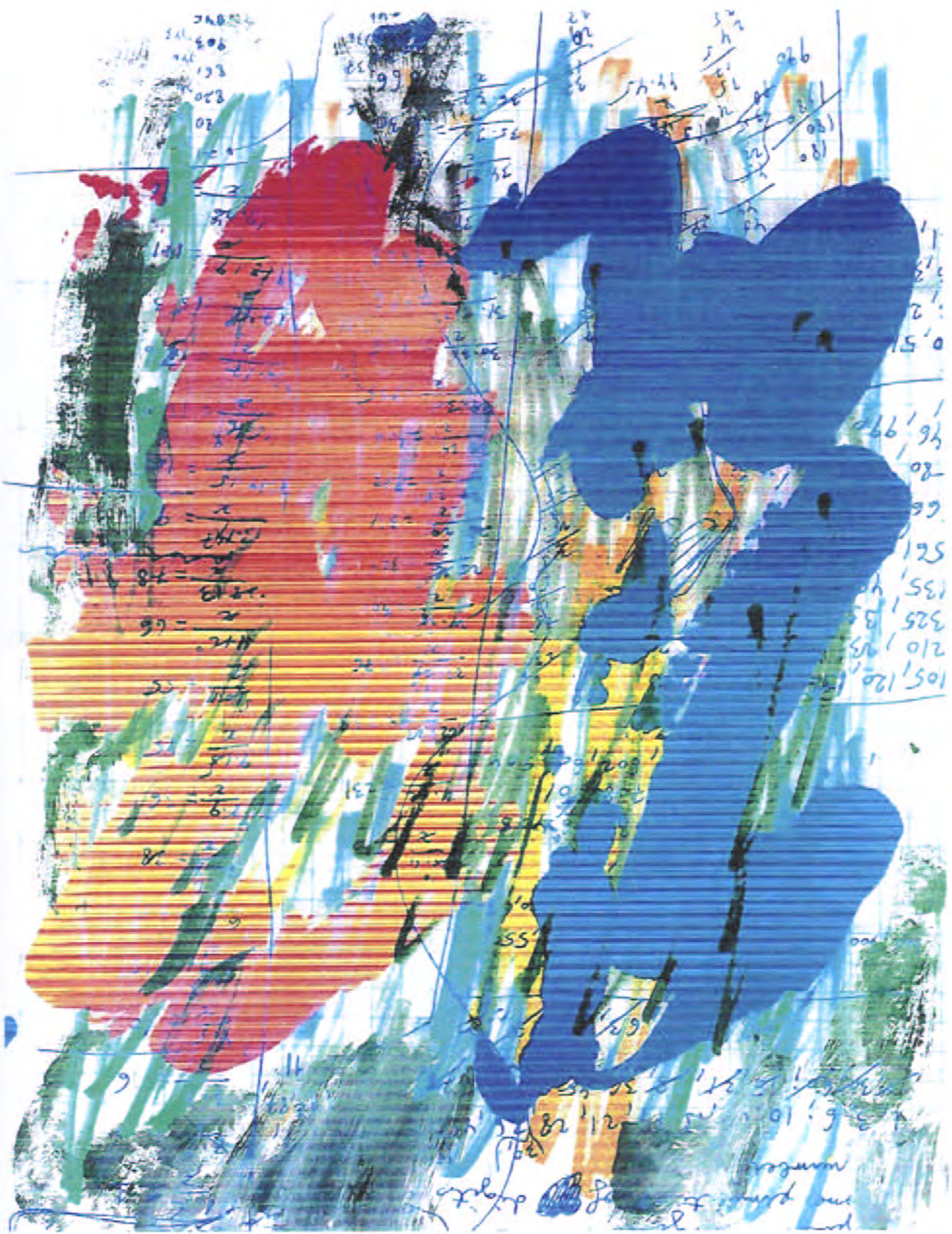
$$\begin{pmatrix} 1 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 1 & 1 \end{pmatrix}$$

$$x^2 - 3x + x^2 - 6x + 9$$

$$(x-3)^2 = 5(3-5)$$

$$\sqrt{3-5}$$

some the doc.



divisible by 15 and 20

$$\begin{array}{r} 17 \\ 20 \\ \hline 37 \\ 36 \end{array}$$
$$\begin{array}{r} 48 \quad 49 \\ \underline{32 \quad 52} \\ 16 \quad 63 \quad 61 \\ \underline{4 \quad 64 \quad 66} \end{array}$$

very
one question

(Handwritten signature)

2, 0, 1, 0,
1, 0, 3,
0, 1

$\left(\frac{1}{2} \right)^n$

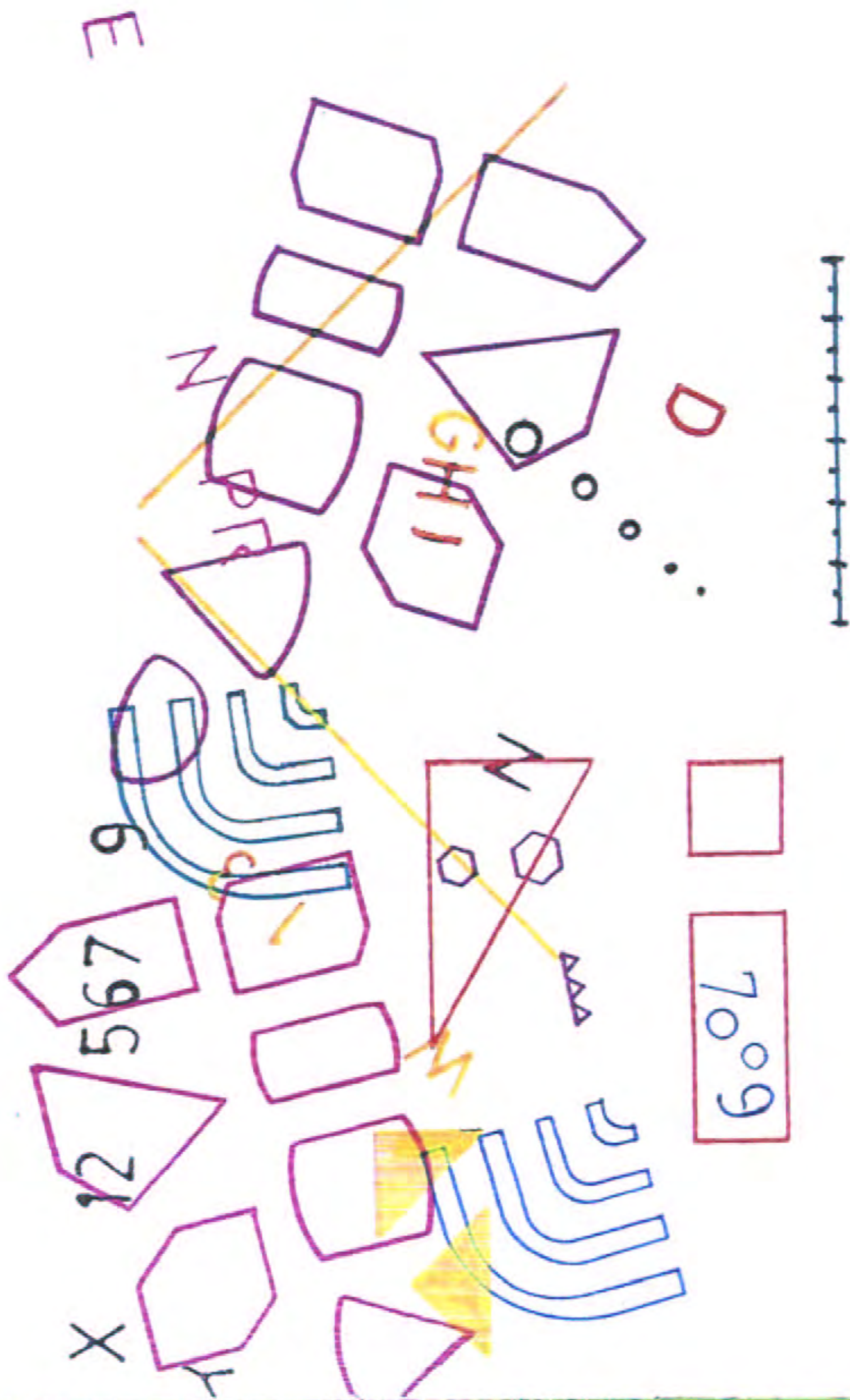
0, 0, 3, 0, 0, 1

0, 0, 1, 0, 0

(p is an integer ≥ 2)

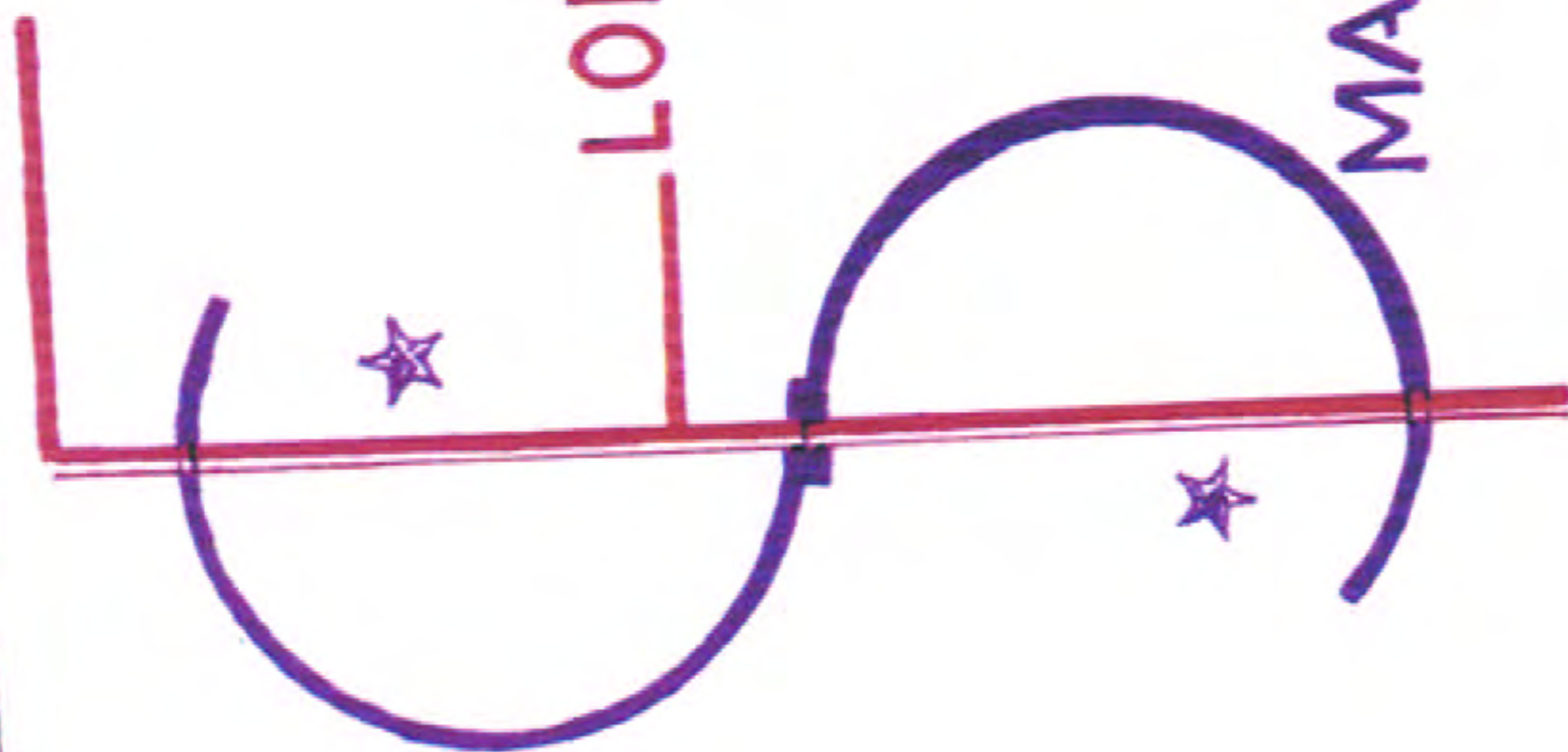
100 of the Chaco rank 198

MECHANICAL DRAWINGS



LORENTIN

MARANDACHE

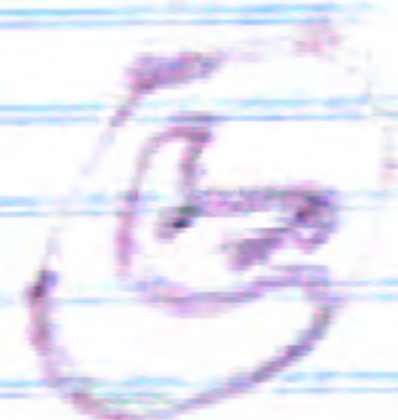
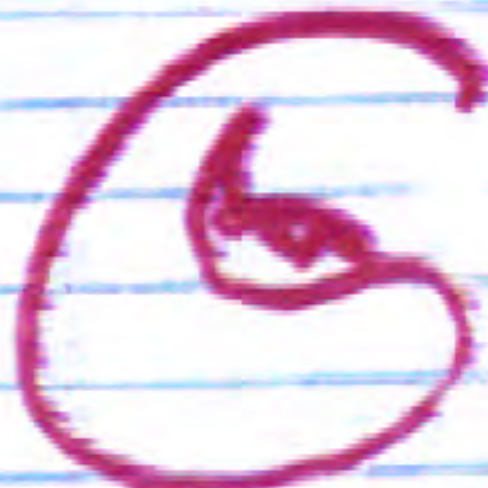
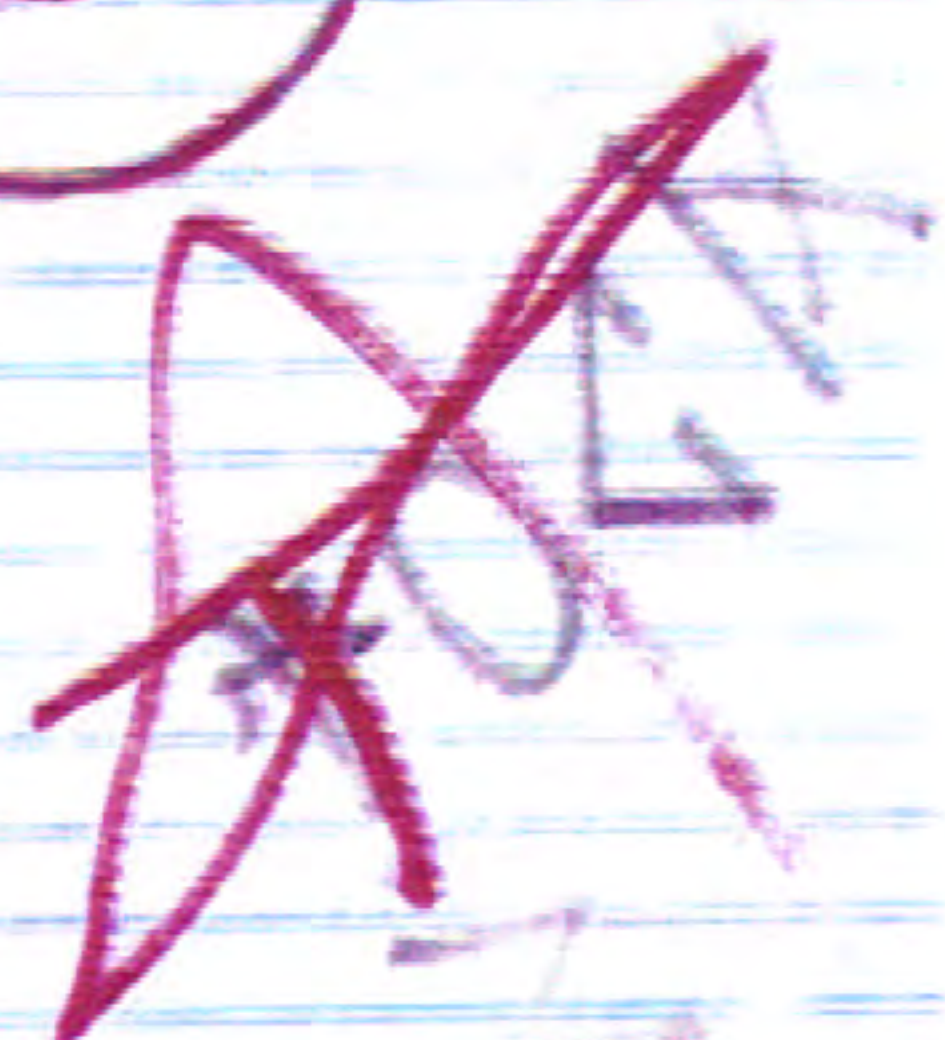
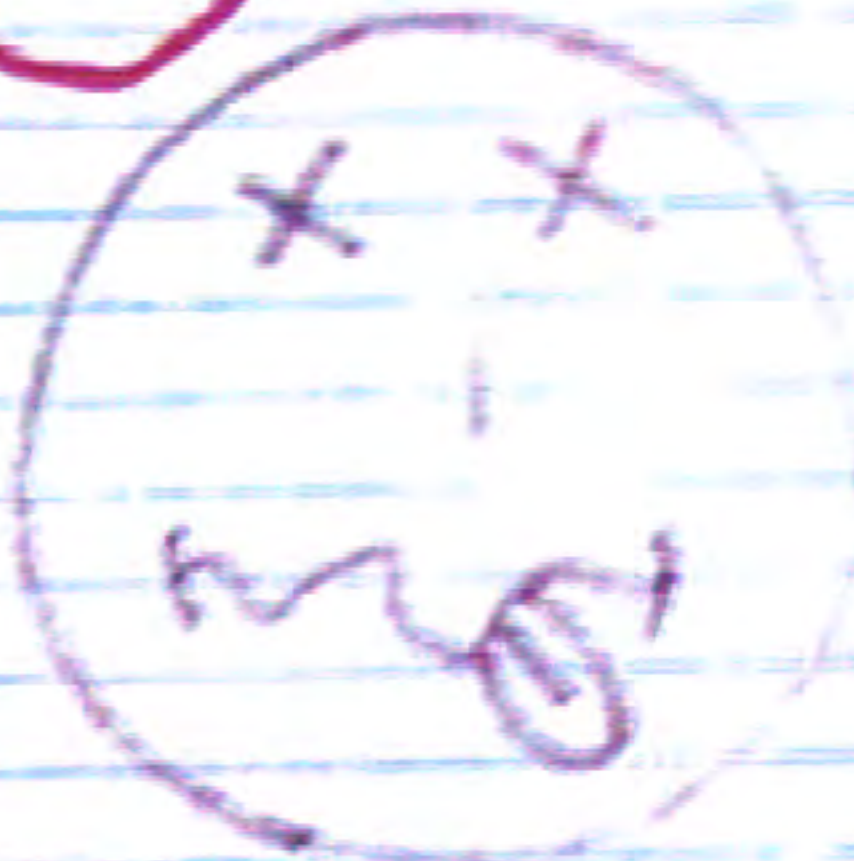
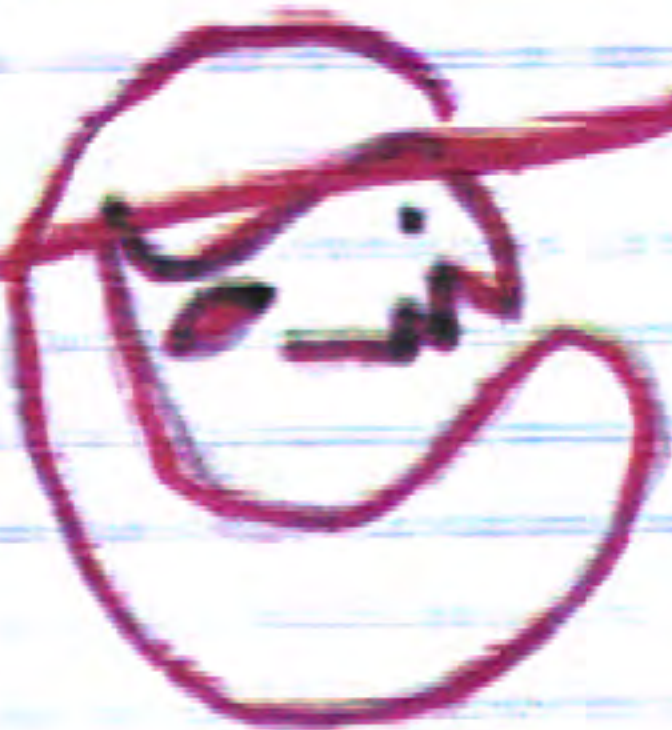
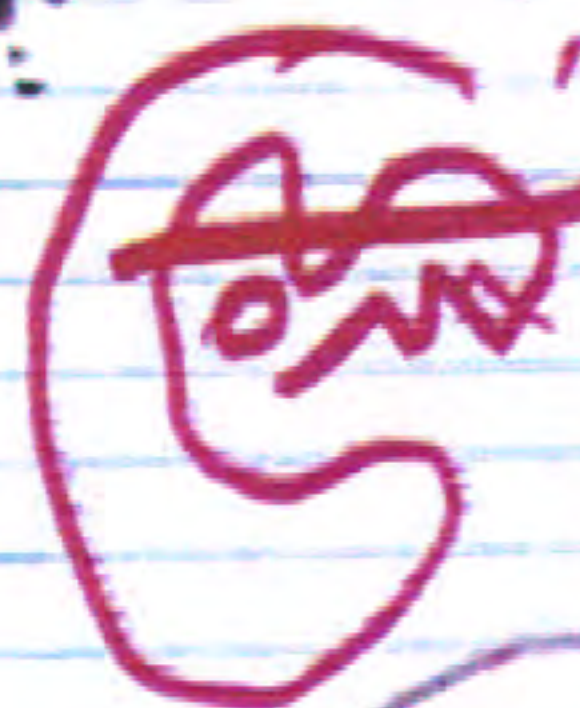
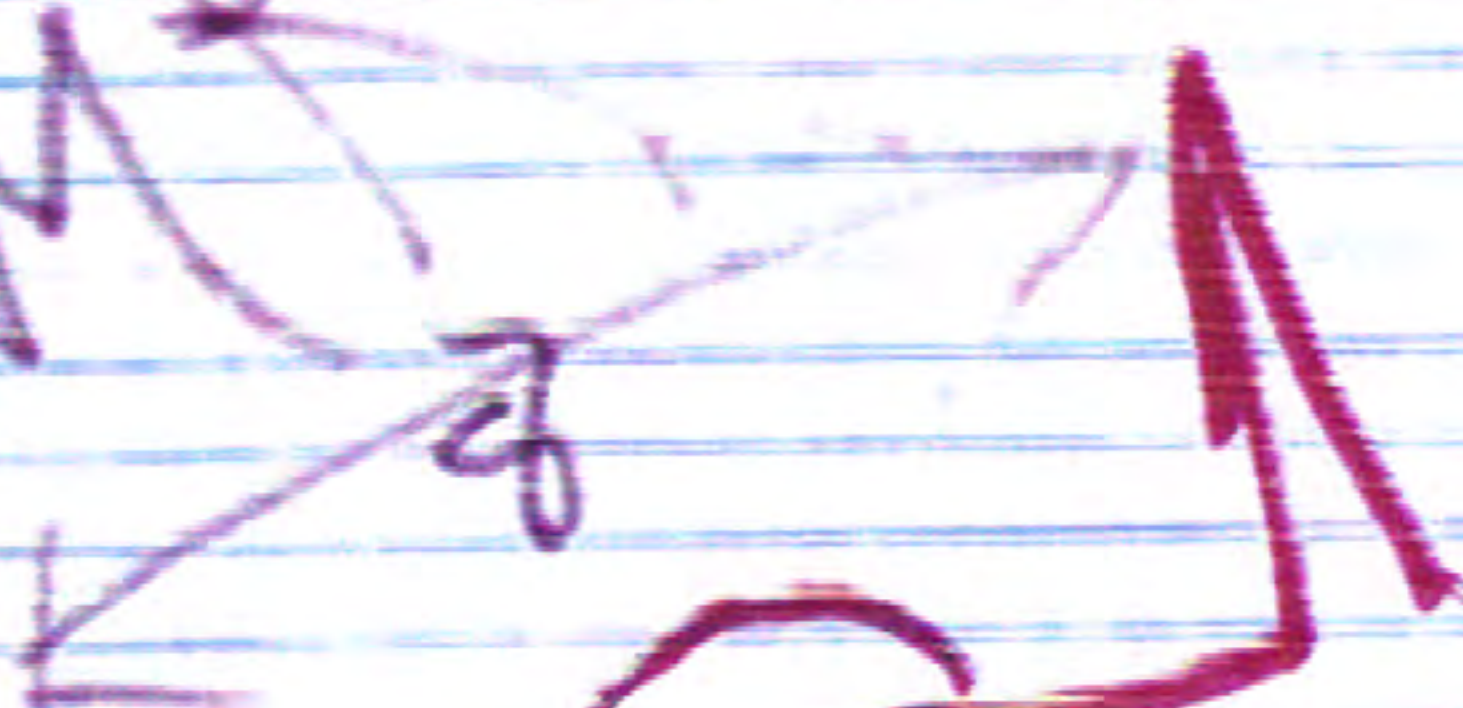
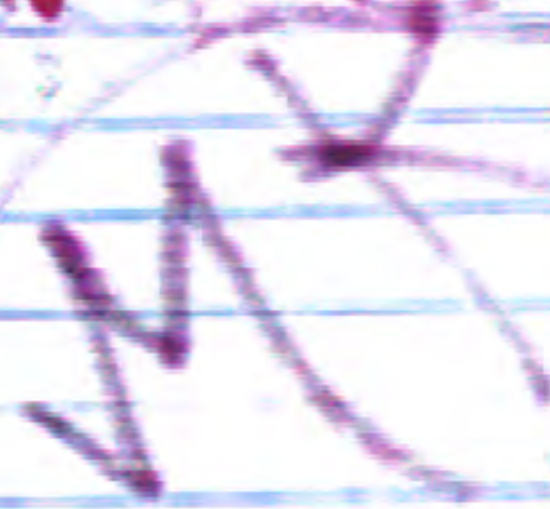
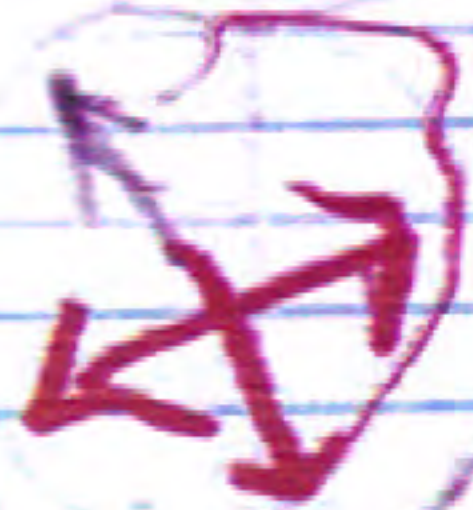


ANTI-DRAFTS

~~Zigzag~~

~~XAD~~

MR. J.



$$103 + (a:8) + 27 - 24 + 41 - 68 + 28 - 36 - 38 + 24 - 6 - 12 + 41 - 1$$

$$131 + 21 - 65 + 13 + c - 50 = 3$$

30
69
75
90
01

$$\frac{a}{8} - b + c = 18$$

$$\begin{aligned} a &= 16 \\ b &= 1 \\ c &= 17 \end{aligned}$$

$$\begin{aligned} a &= 24 \\ b &= 1 \\ c &= 16 \end{aligned}$$

C	H	A	E
8	40	5	3
D	2	C	G
4	2	8	1
E	3	B	H
3	3	9	10
F	2	D	B
6	2	9	9

$$\begin{aligned} &= 26 \\ &= 15 \\ &= 25 \\ &= 21 \end{aligned}$$

21	17	26	23
----	----	----	----

C	H	A	E
8	7	5	6
D	2	C	G
4	2	8	1
E	F	B	H
6	3	9	7
F	A	D	B
3	5	1	3

$$\begin{aligned} &= 26 \\ &= 15 \\ &= 25 \\ &= 21 \end{aligned}$$

$$\begin{aligned} &= 21 \\ &= 17 \\ &= 26 \\ &= 23 \end{aligned}$$

MARANDACHE

$$4- \frac{1}{1} \frac{1}{1} 103 + (a:8) + 2f - 24 + 41 - 68 + 28 - 36 - 72 + 24 - 6 - 72 + 41 - 6$$

$$= 31 + 24 - 65 + 15 + c - 50 = 3$$

30
69
45
90
01

~~4-1-104~~

92
134
96
503
42

31 3 401 720 3 21113
2-1+12

$$\frac{a}{8} - b + c = 18$$

$$\begin{aligned} a &= 76 \\ b &= 1 \\ c &= 17 \end{aligned}$$

$$\begin{aligned} a &= 24 \\ b &= 1 \\ c &= 16 \end{aligned}$$

C	H	A	E
8	10	5	6
D	2	8	1
6	F	9	H
E	3	D	7

$$\begin{aligned} &= 26 \\ &= 15 \\ &= 25 \\ &= 21 \end{aligned}$$

$$\begin{aligned} 8 &= 4, 2 \\ 7 &= 3, 4 \end{aligned}$$

21	17	26	23
----	----	----	----

three

C	H	A	E
8	10	5	6
D	2	8	1
E	F	9	H
F	A	D	7

$$\begin{aligned} &= 26 \\ &= 15 \\ &= 25 \\ &= 21 \end{aligned}$$

$$\begin{aligned} &= 21 \\ &= 17 \\ &= 26 \\ &= 23 \end{aligned}$$

1 3 7 5 6 2 8 9

thousand

1000

s ÷ f

Sing 72

teacher of

[x] [e]

THE UGLY OF

rest

teacher of

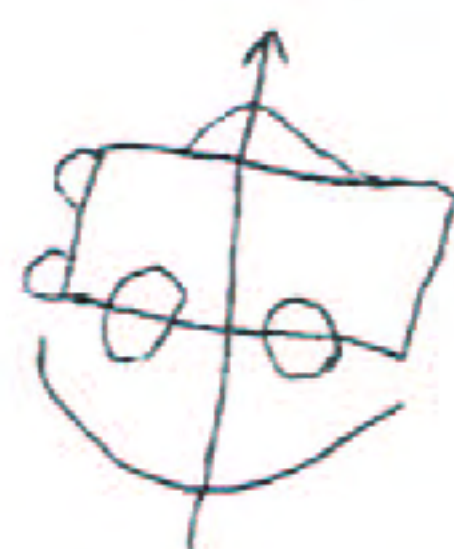
or the people

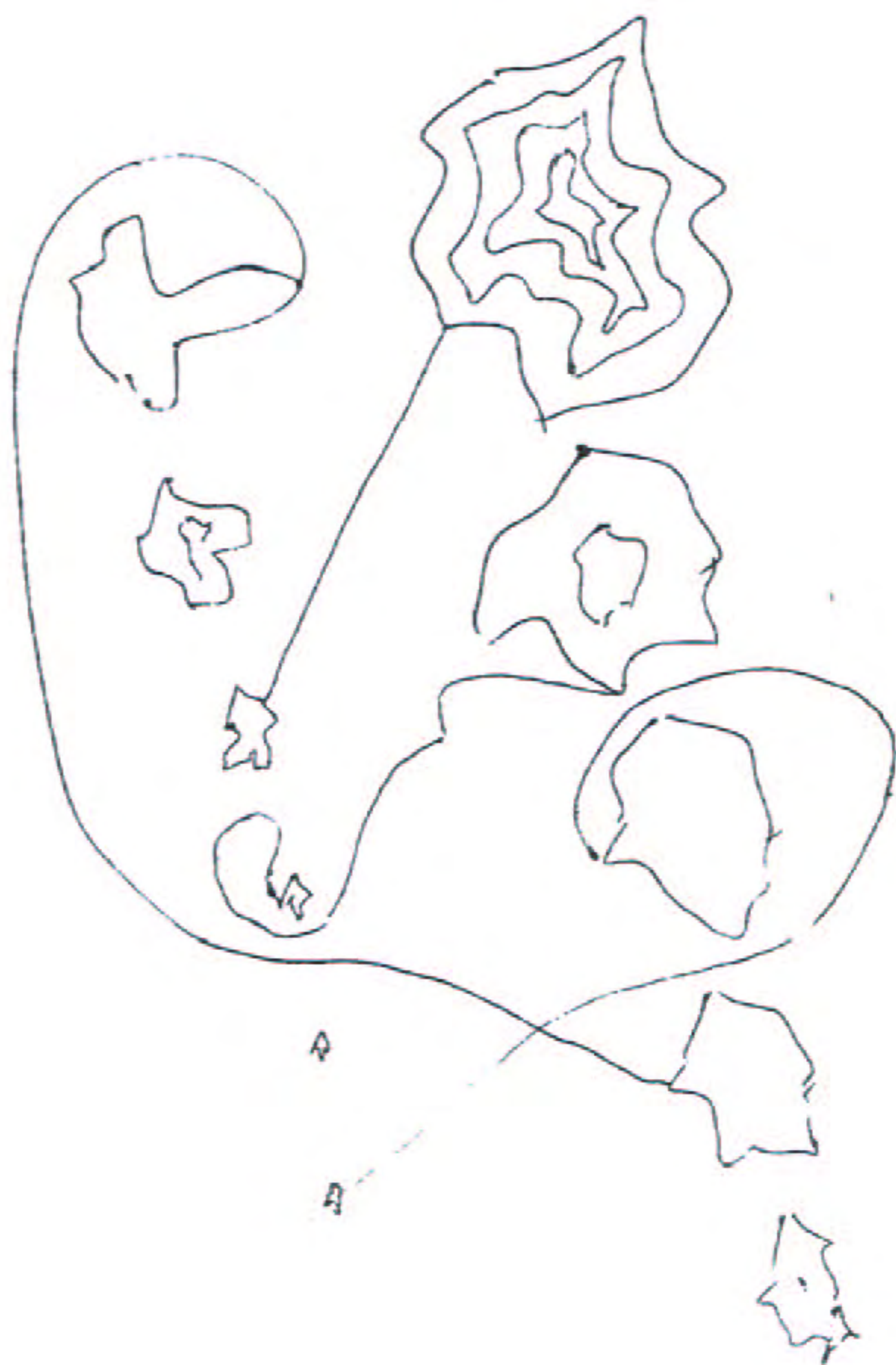
FIN-ARTS

PARADOXIST DRAWINGS
(double sense)

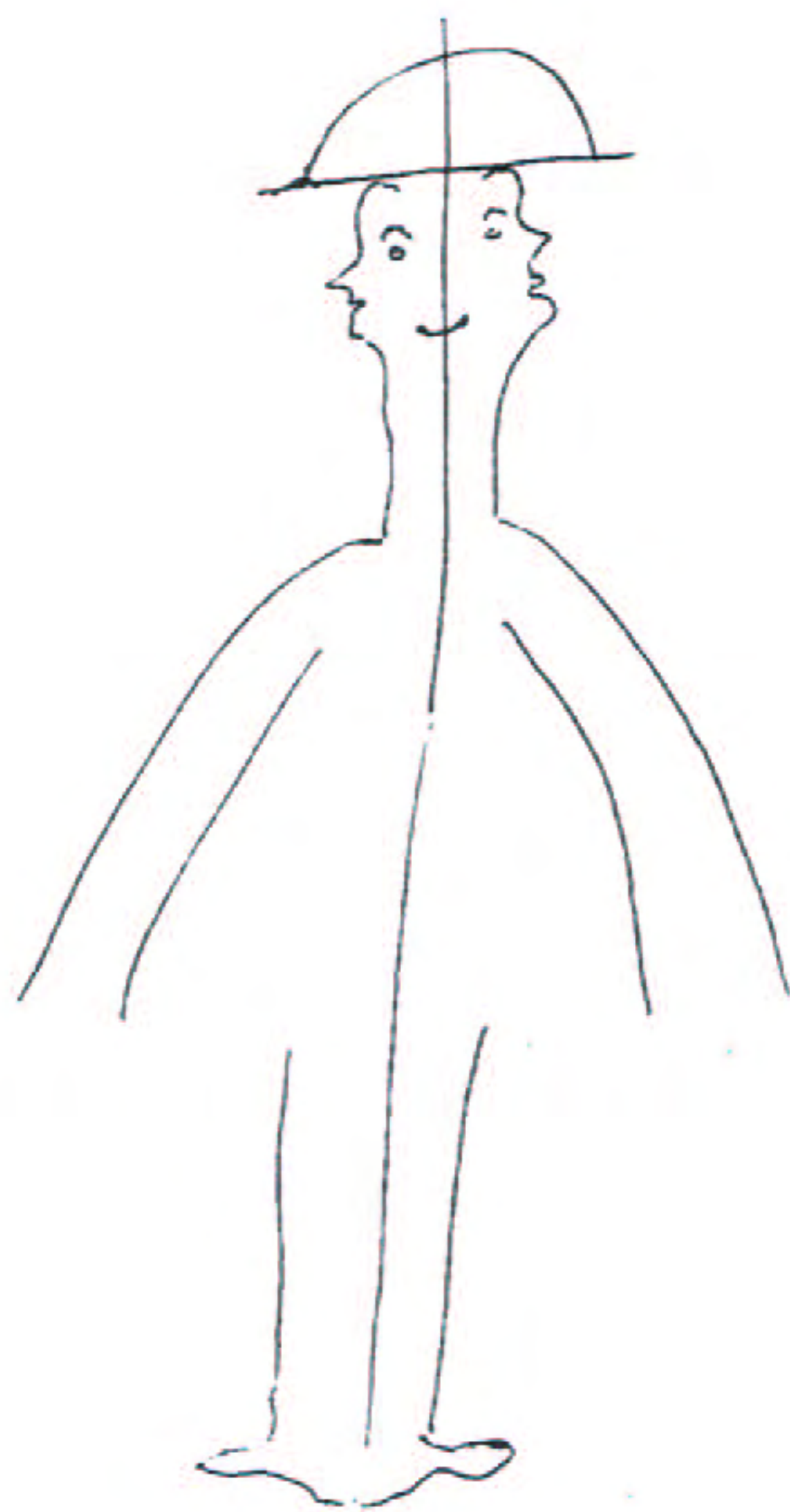


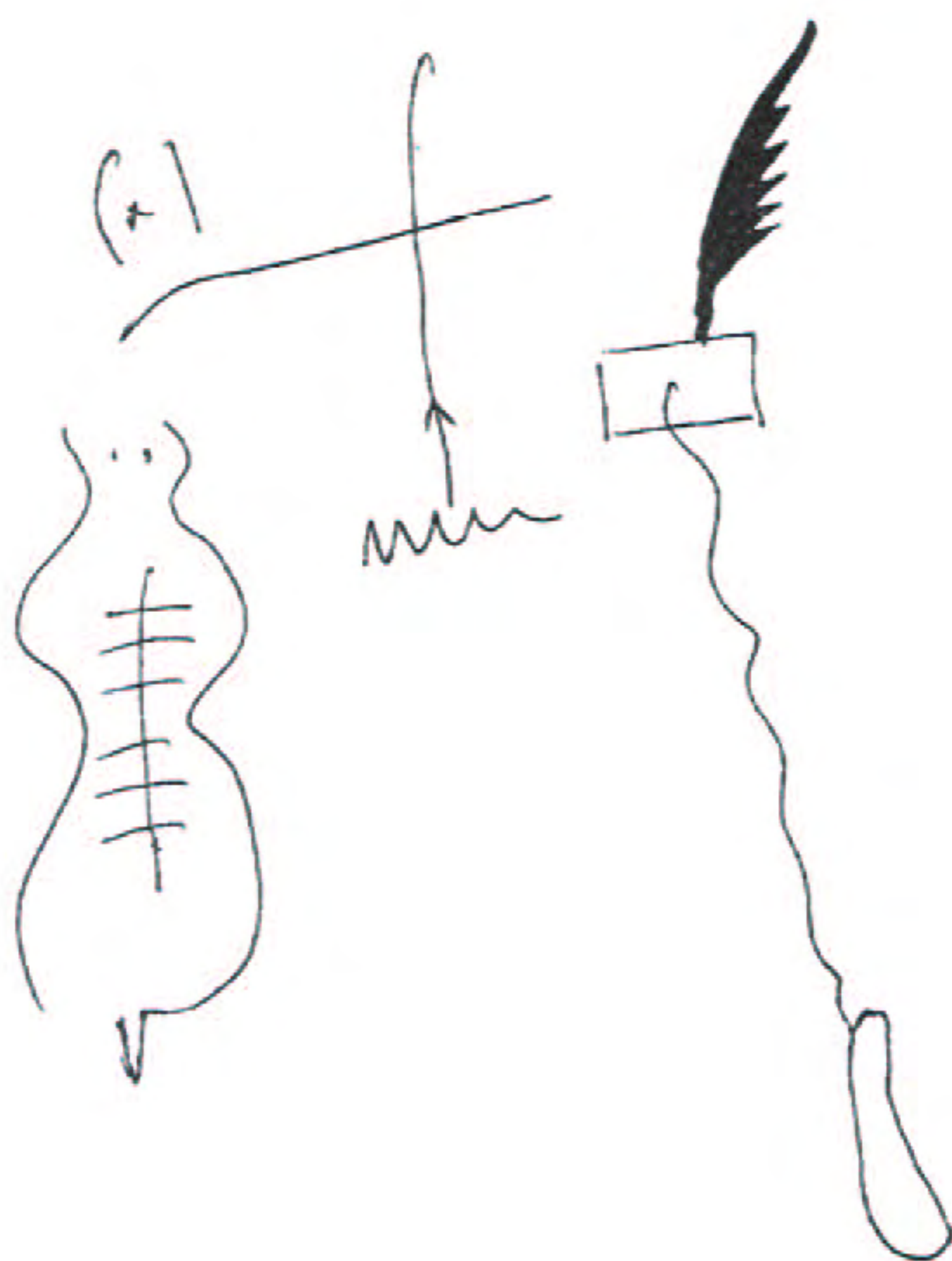
Fuengo





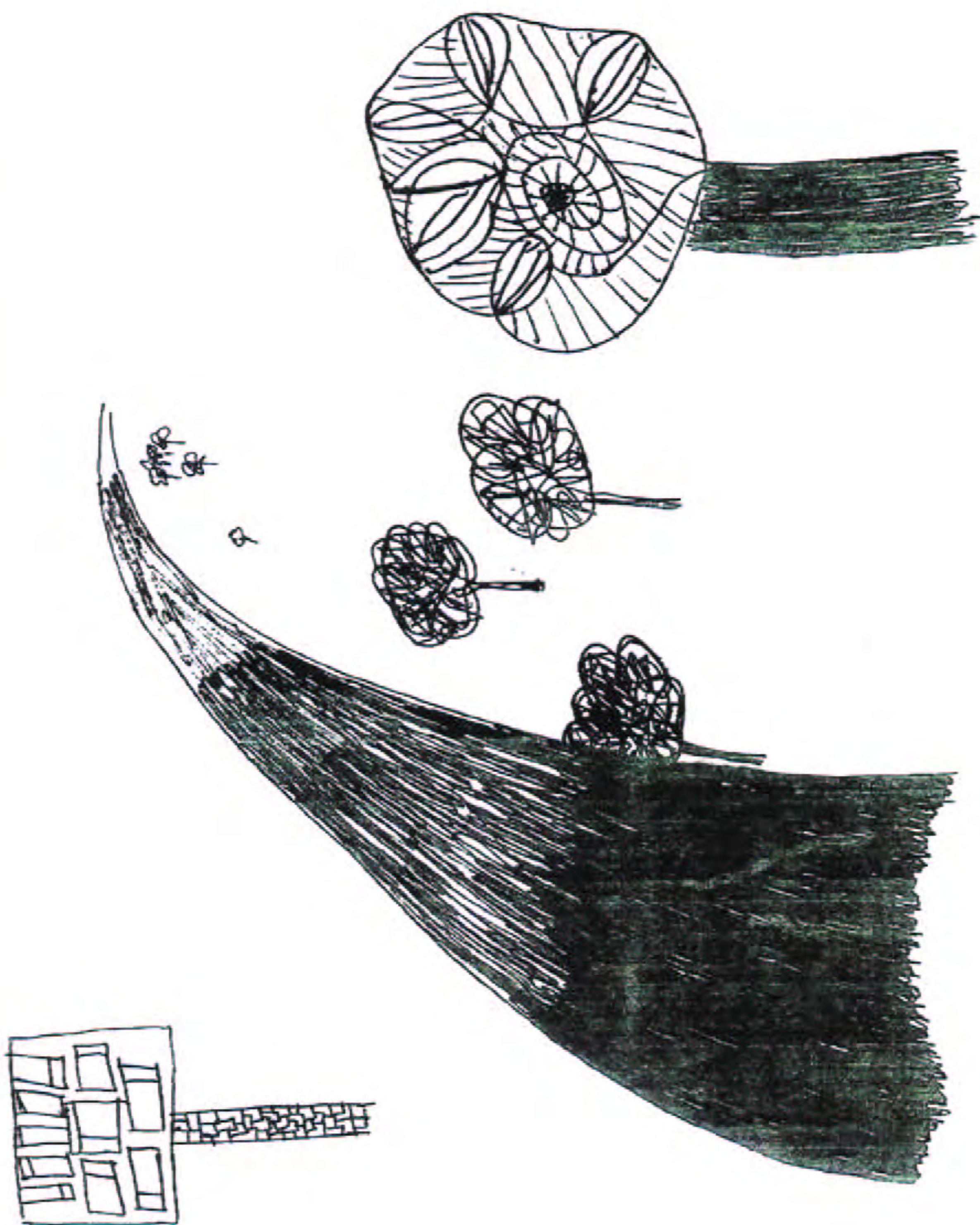
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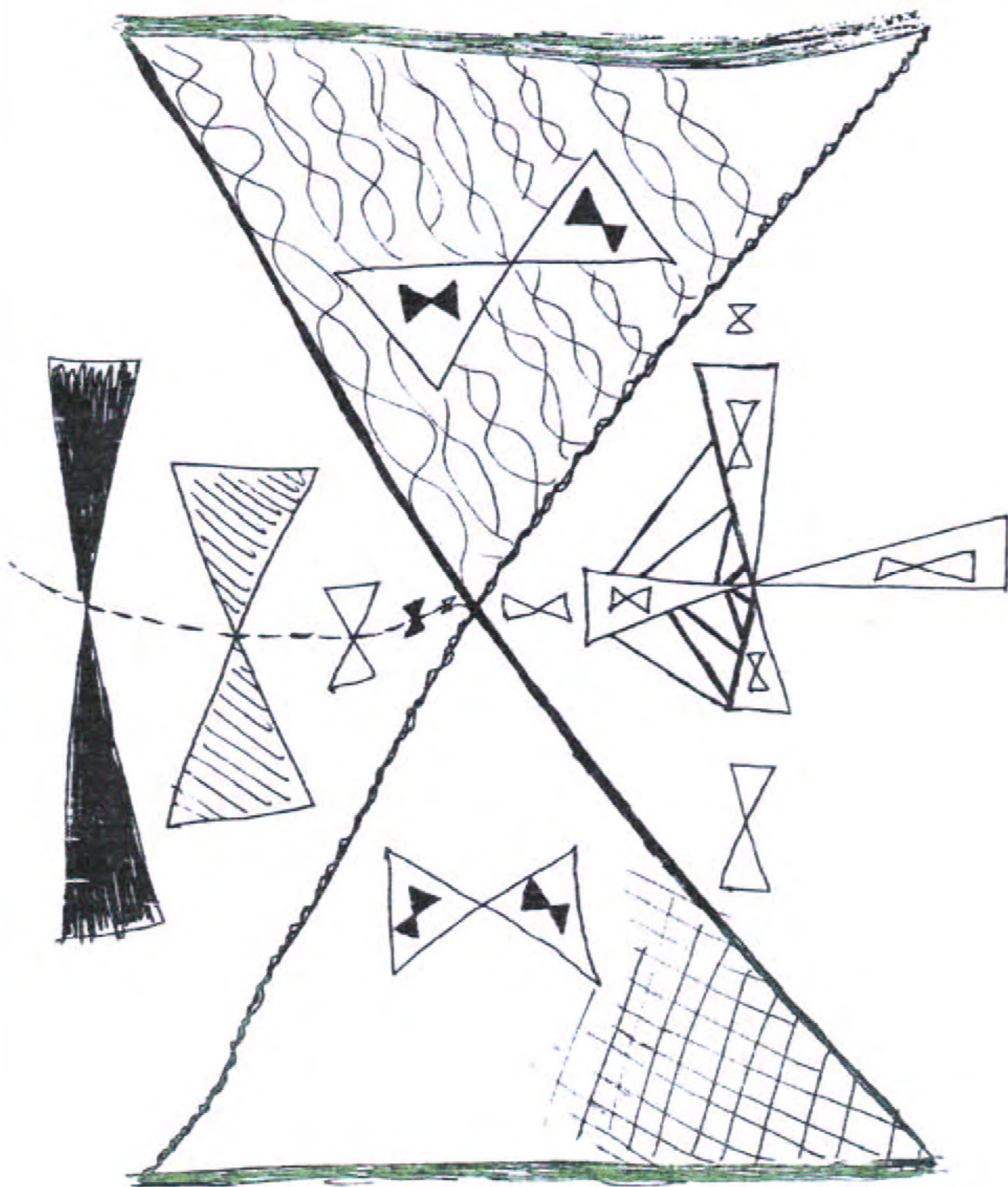


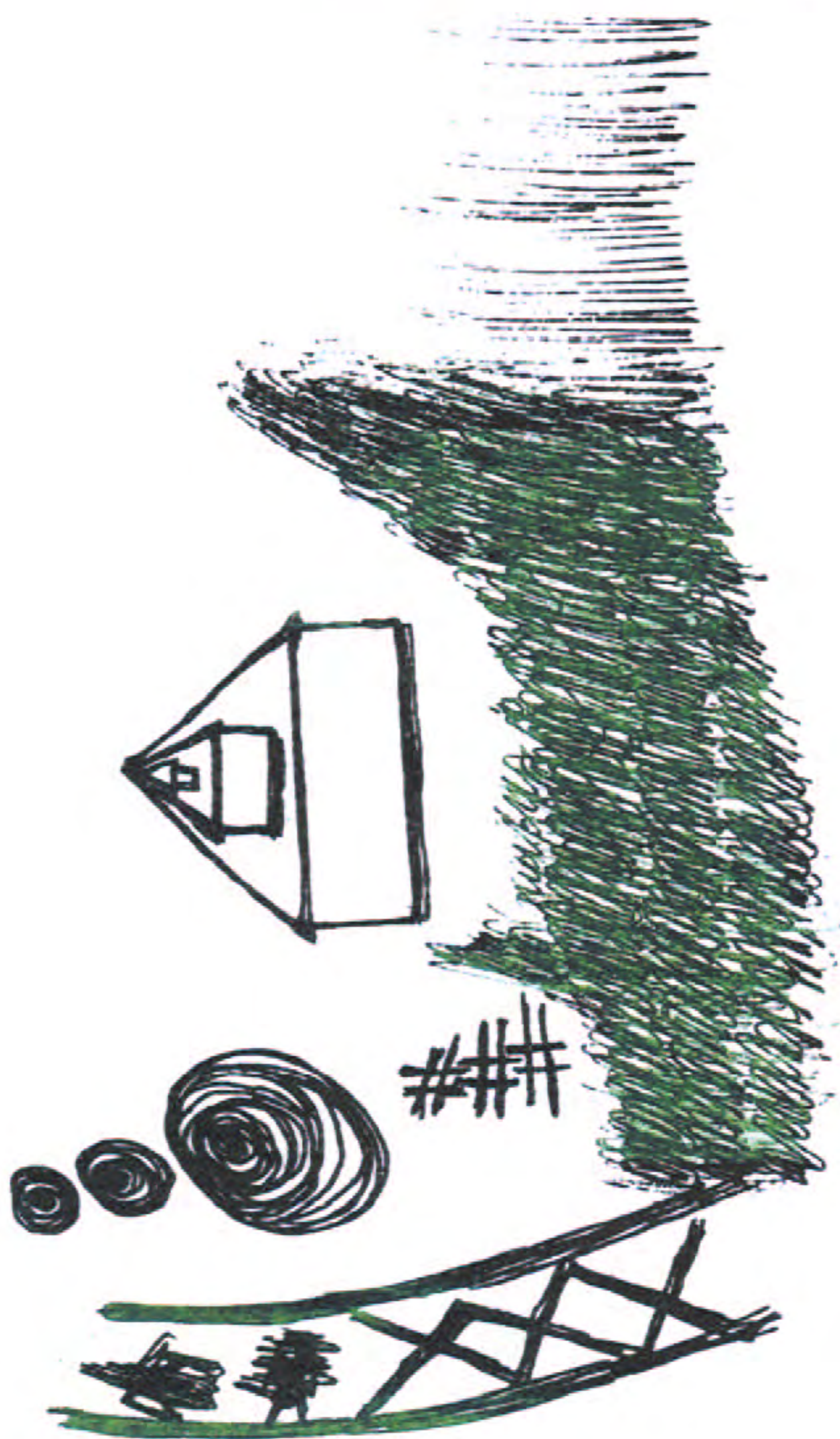


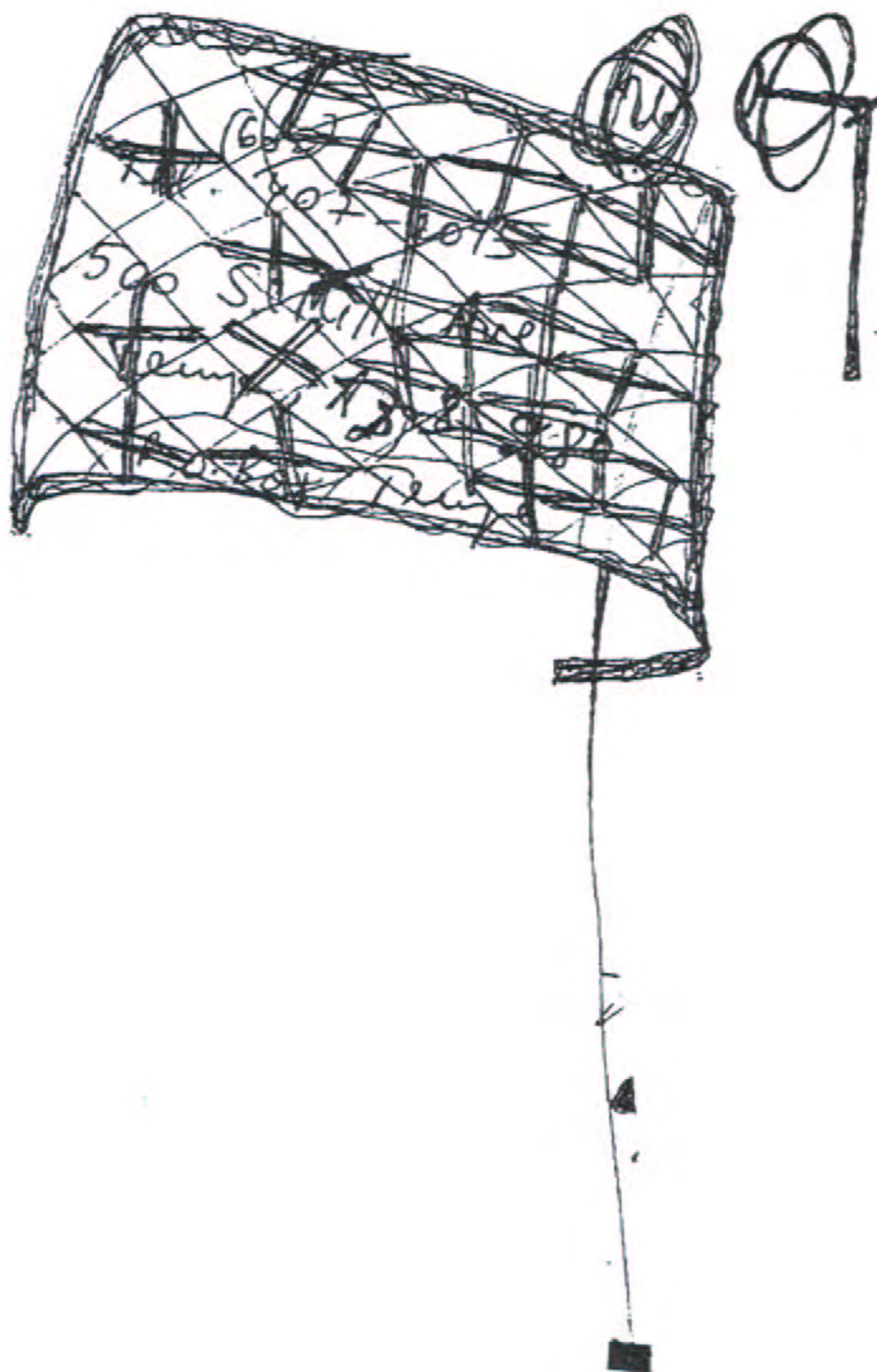
"Afrika Bambaataa"

BAD DRAWINGS









NON-DRAWINGS

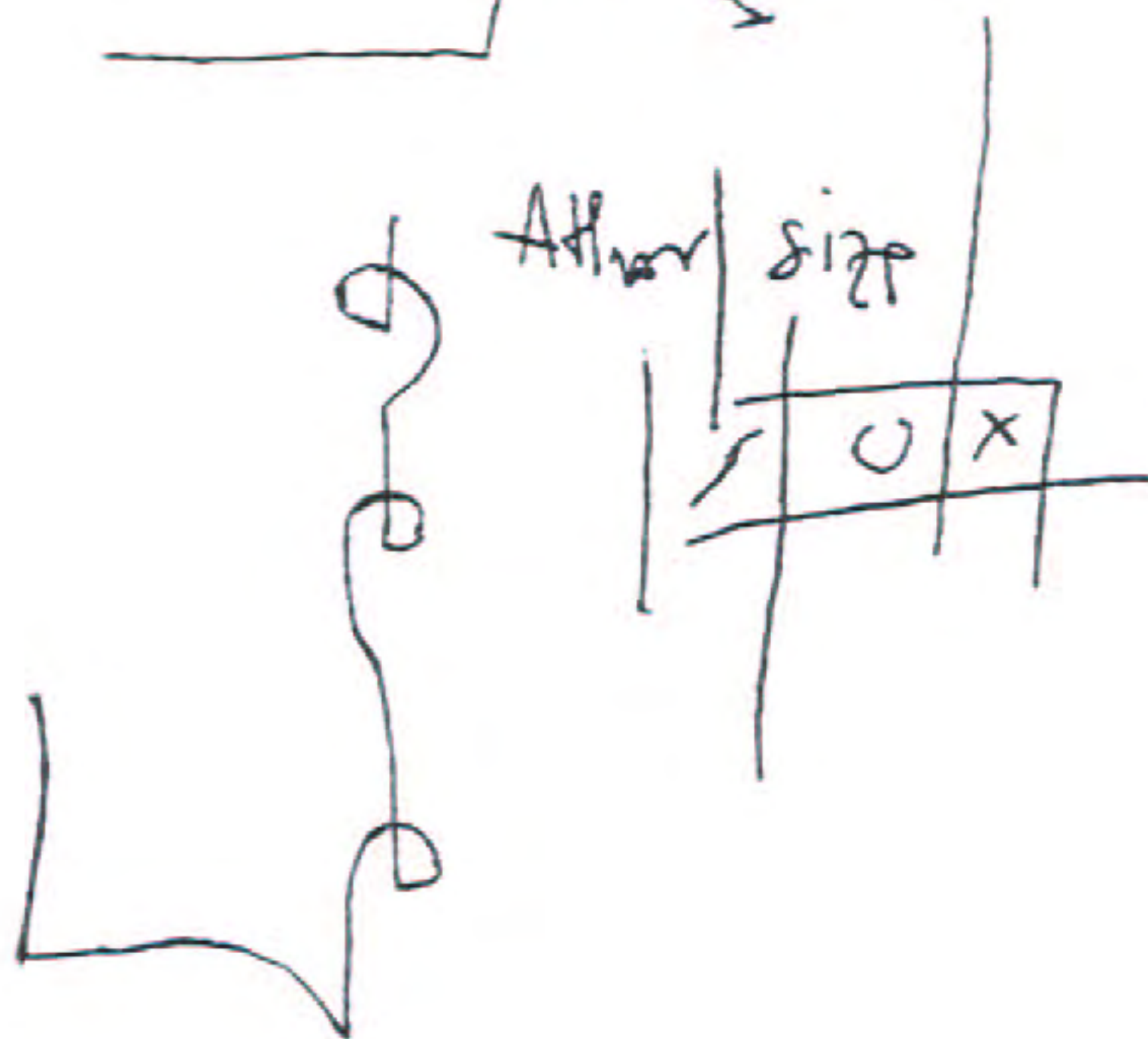


— response journal —

~~scribble~~

~~scribble~~

all of those stories
his leg



Author size

✓	0	x



He doesn't say

09 Typers

I am mimic de spurs

Asth - iers brought

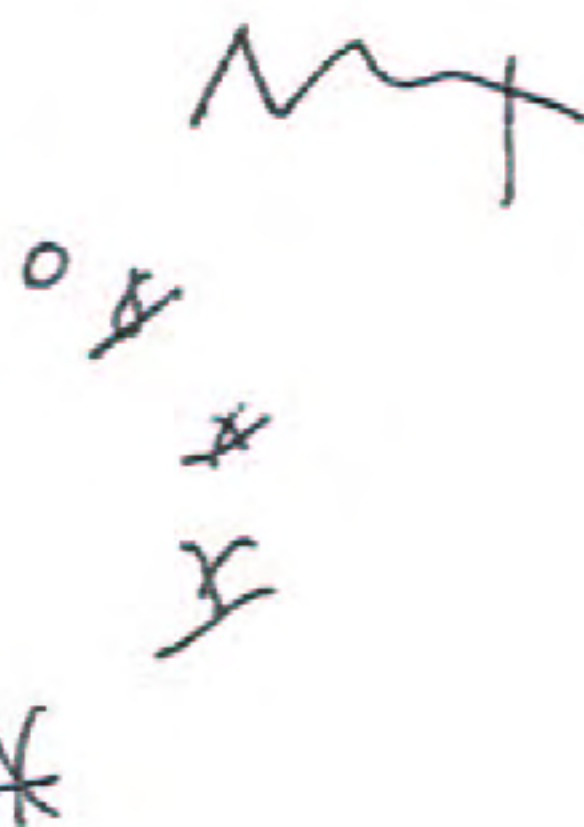
automatism

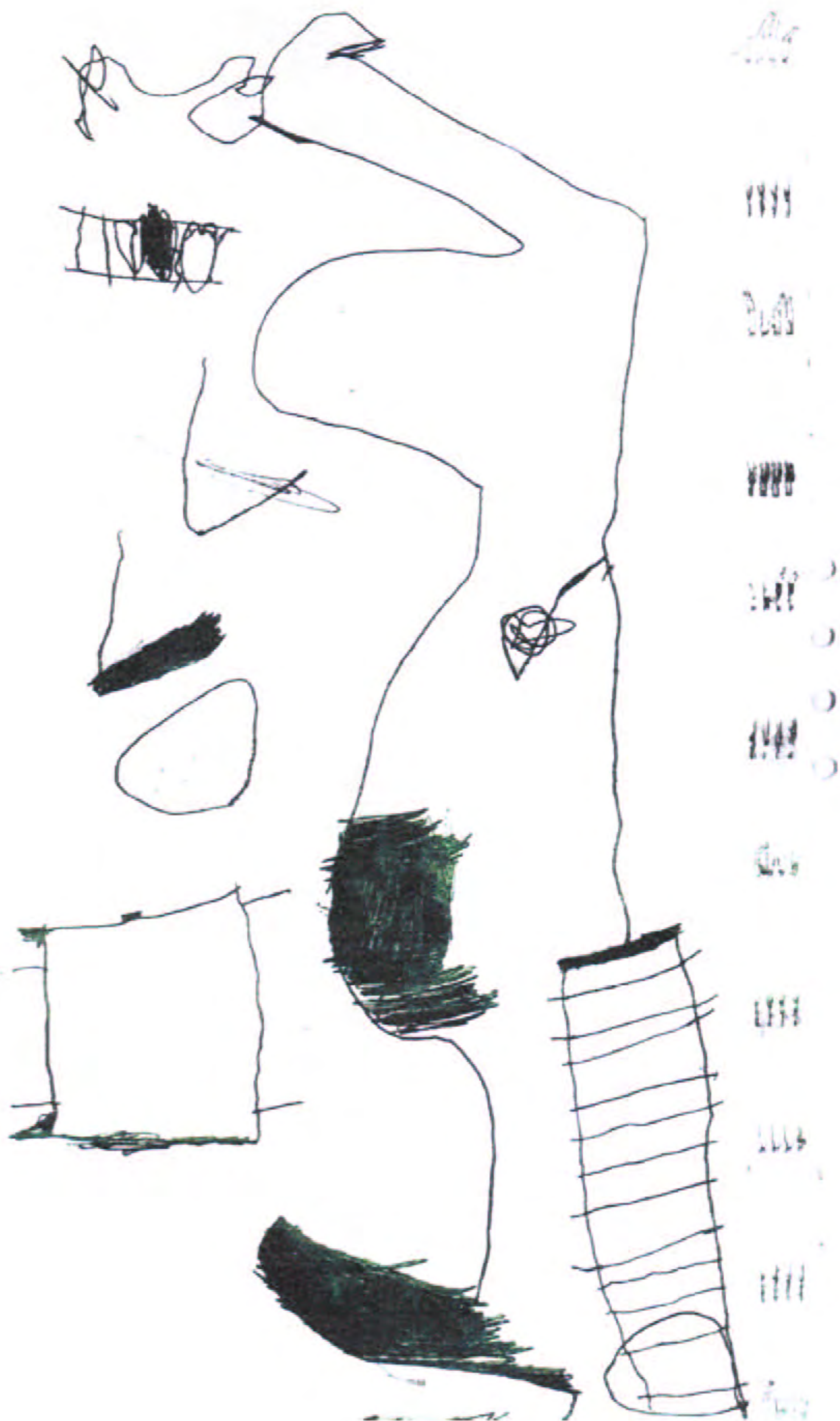


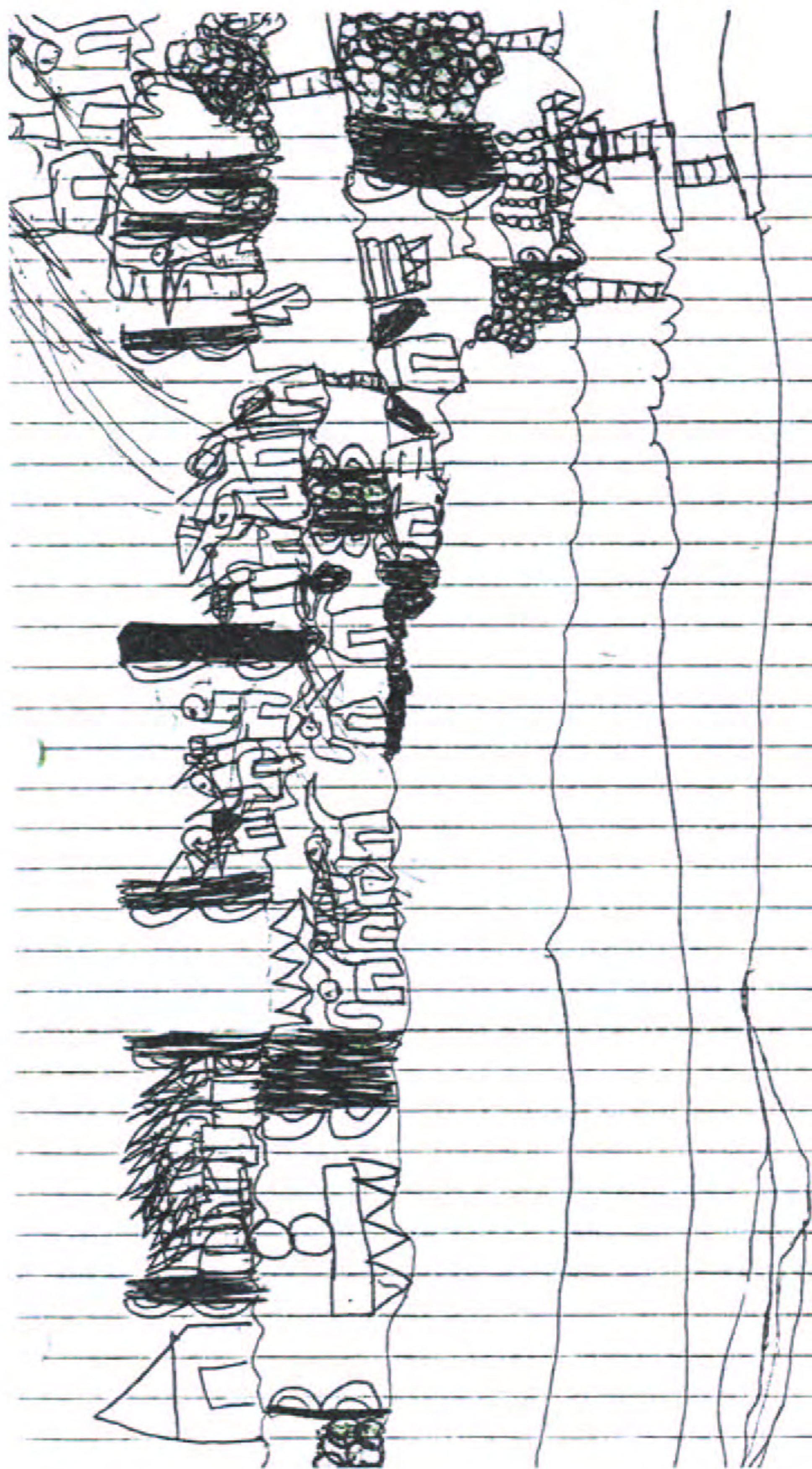
7777 7777

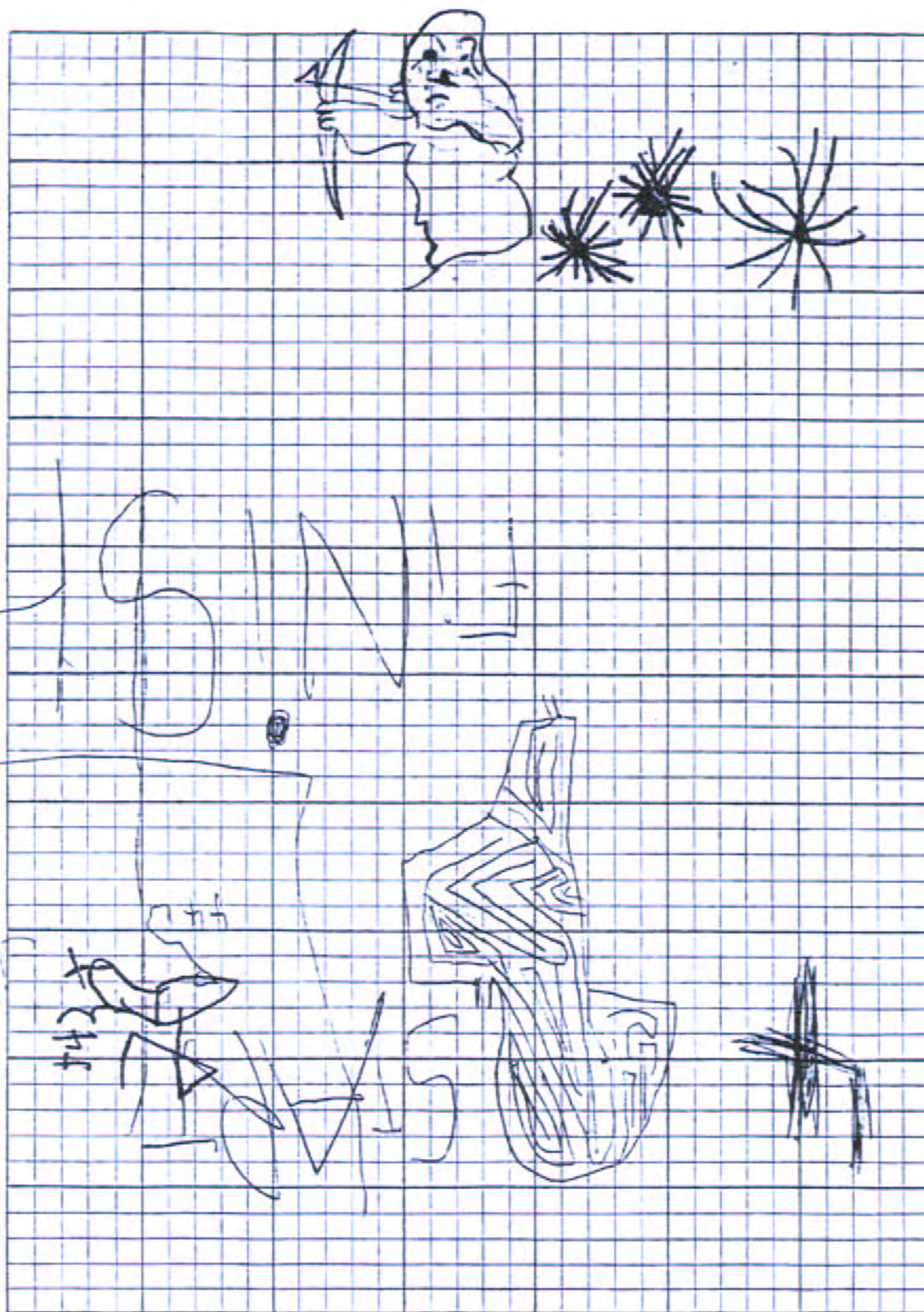
i write in Japanese
because

i don't know Japanese.



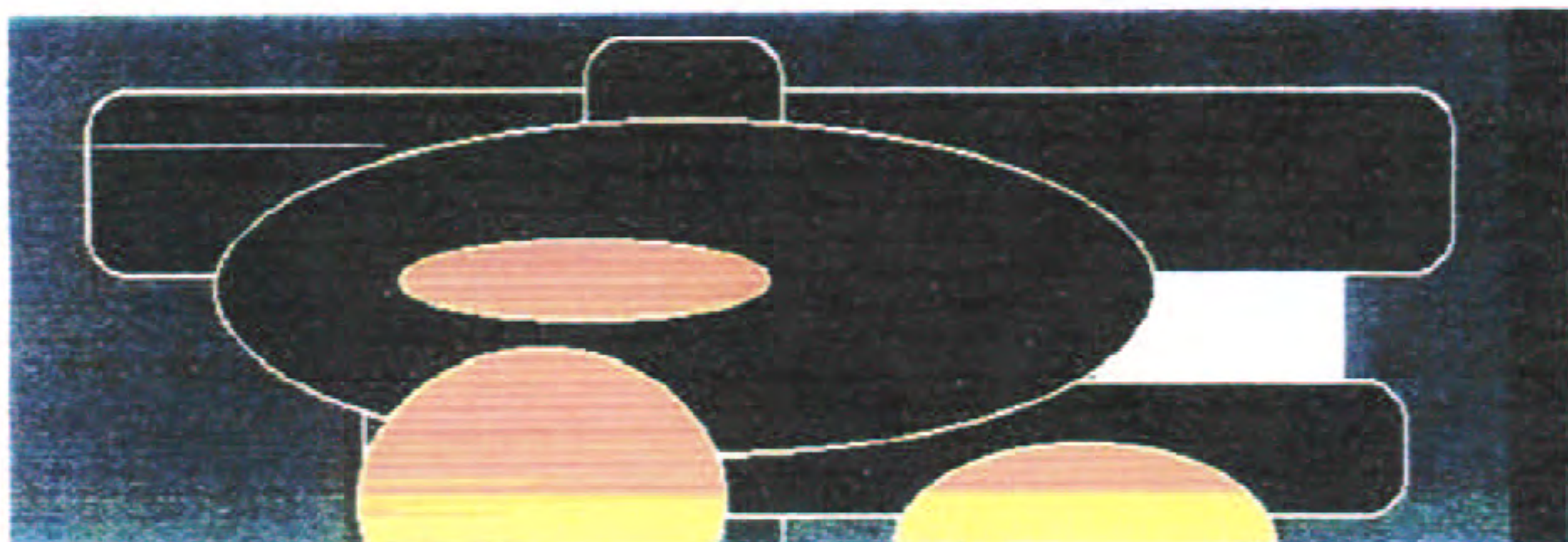


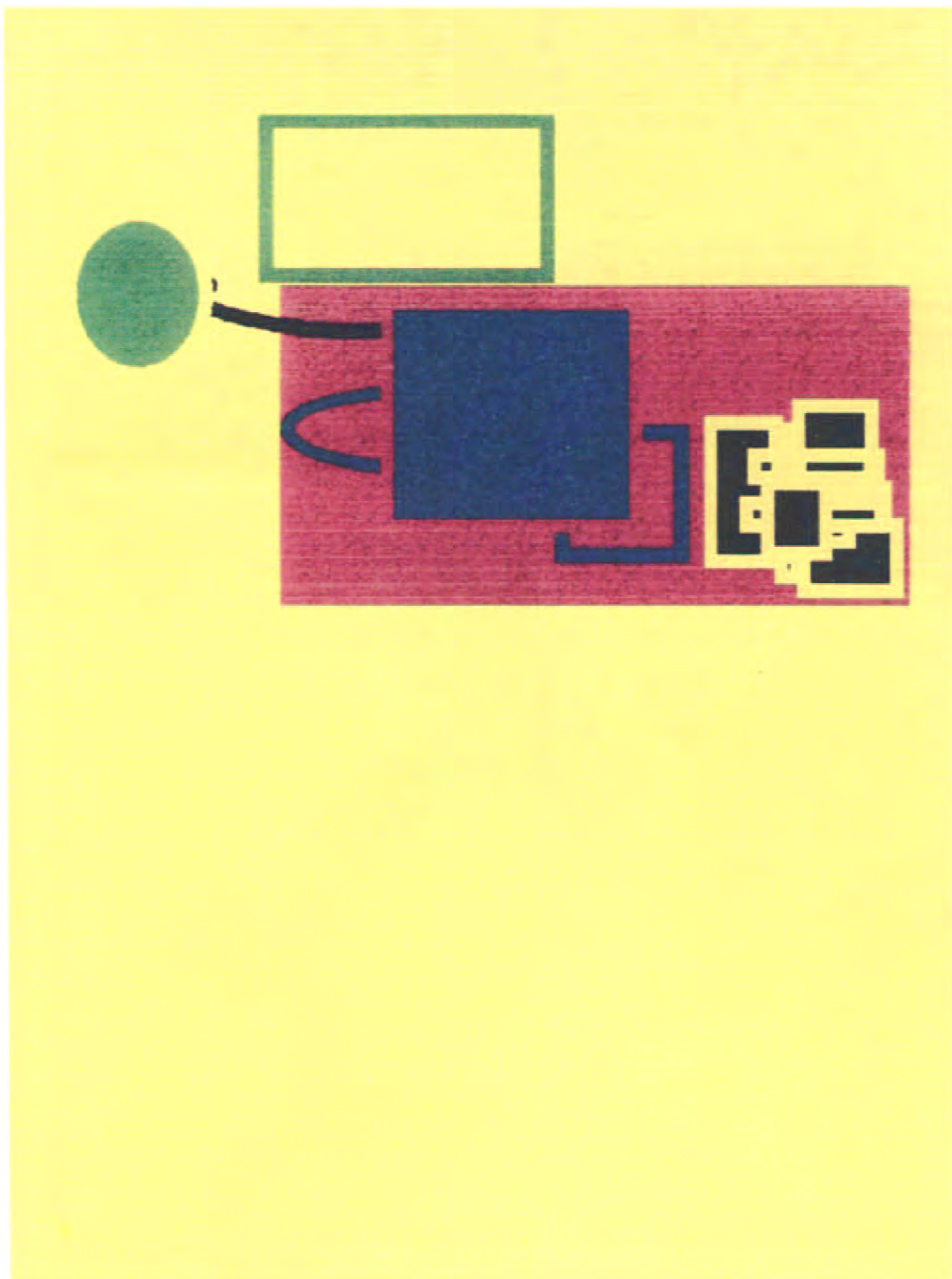




COMPUTER DESIGN



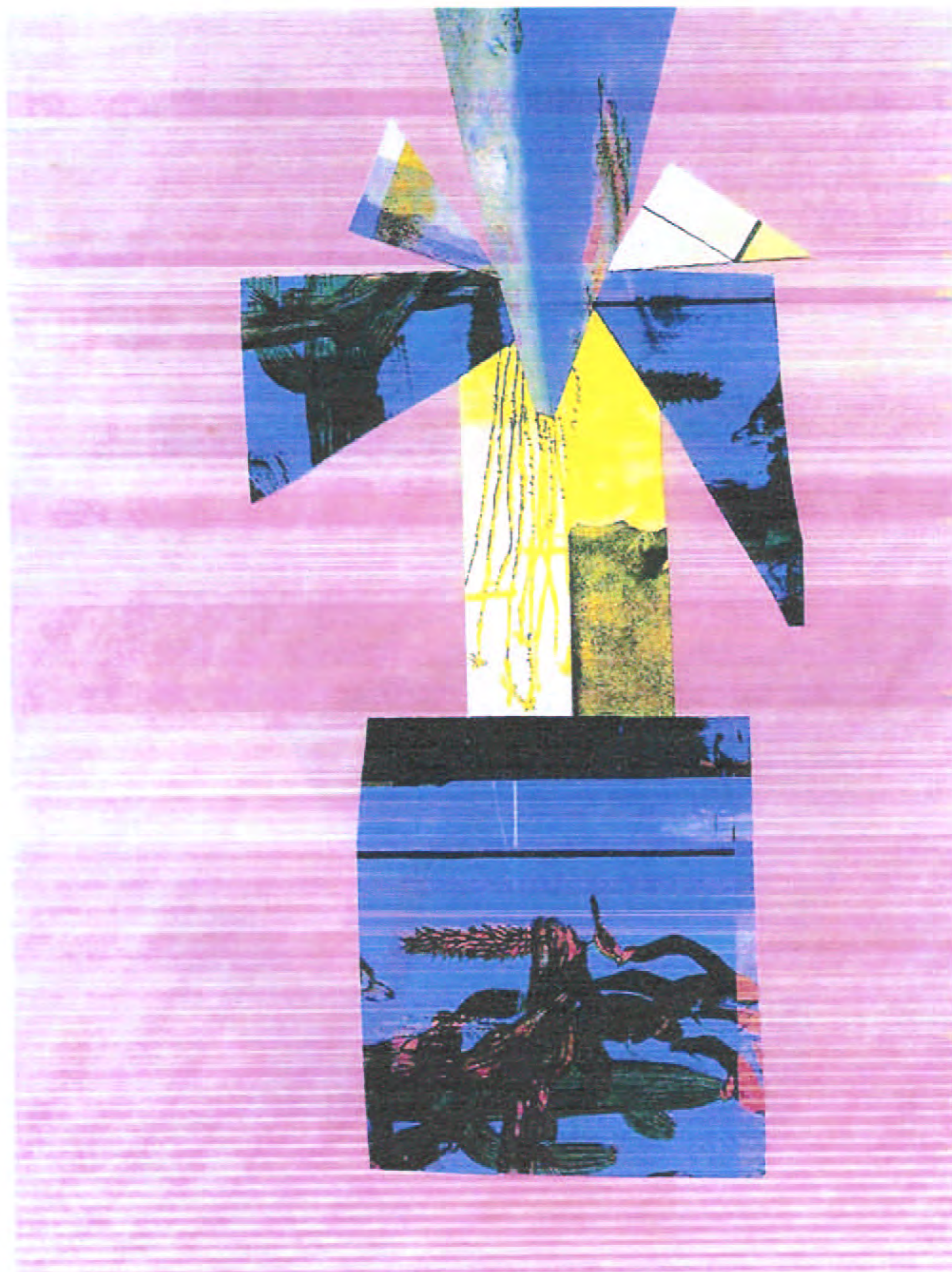


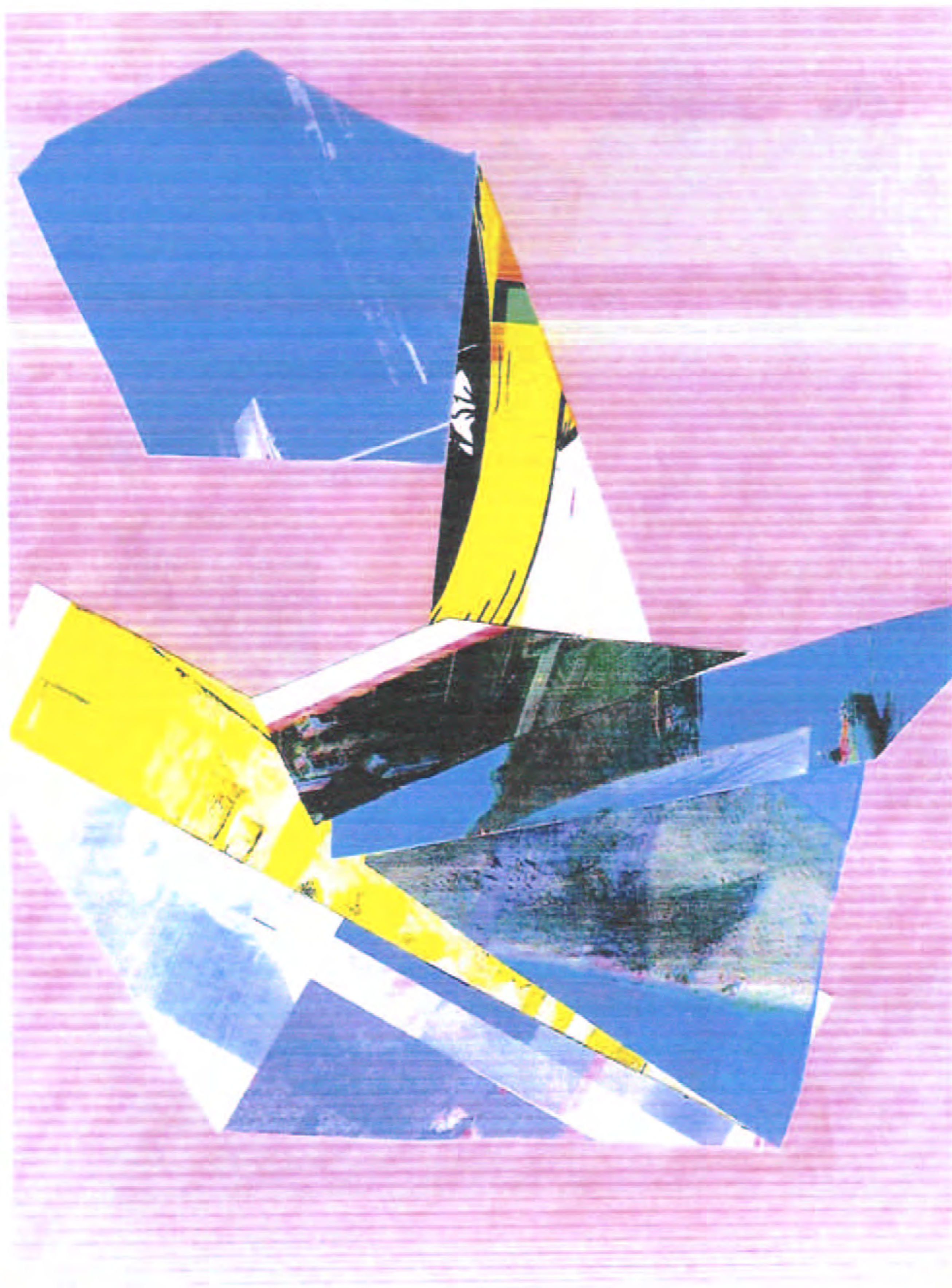




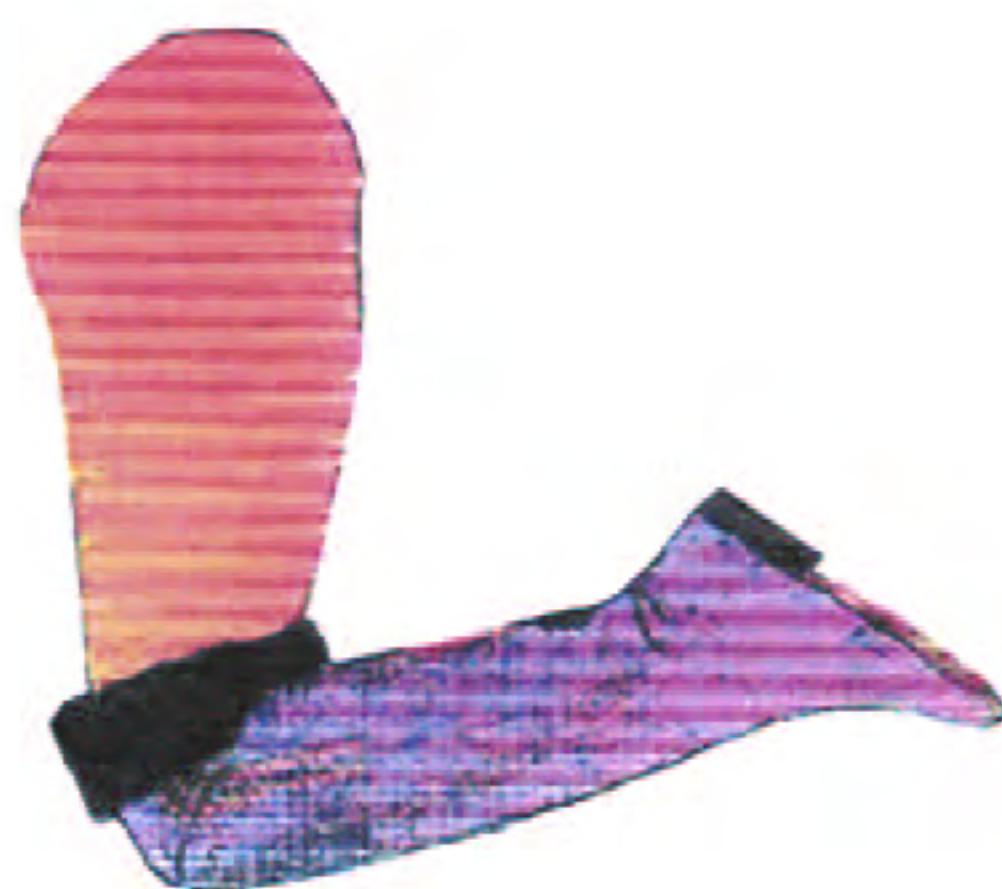
SEMI - COLLAGES
(“Neutrosophic Life”)







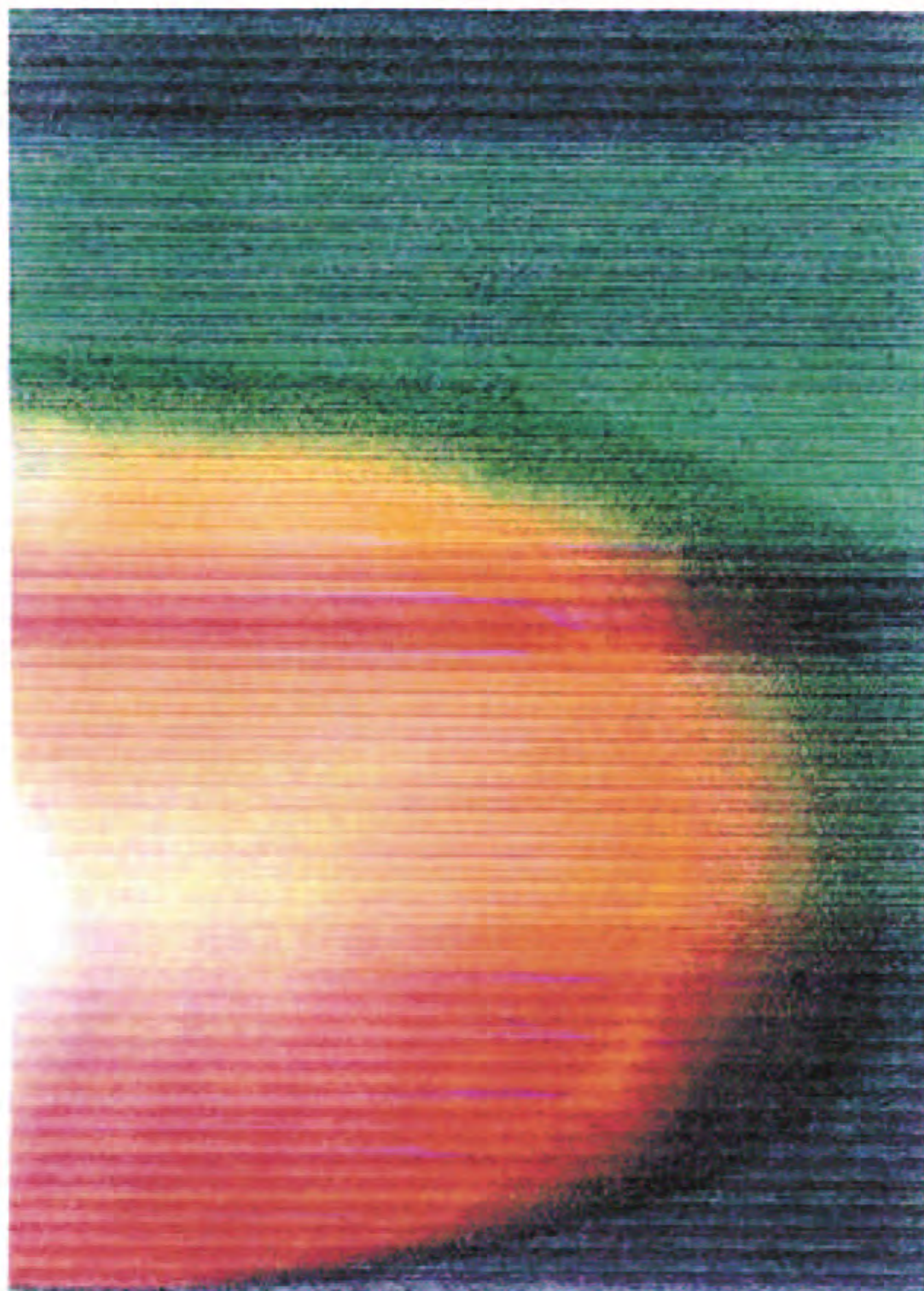


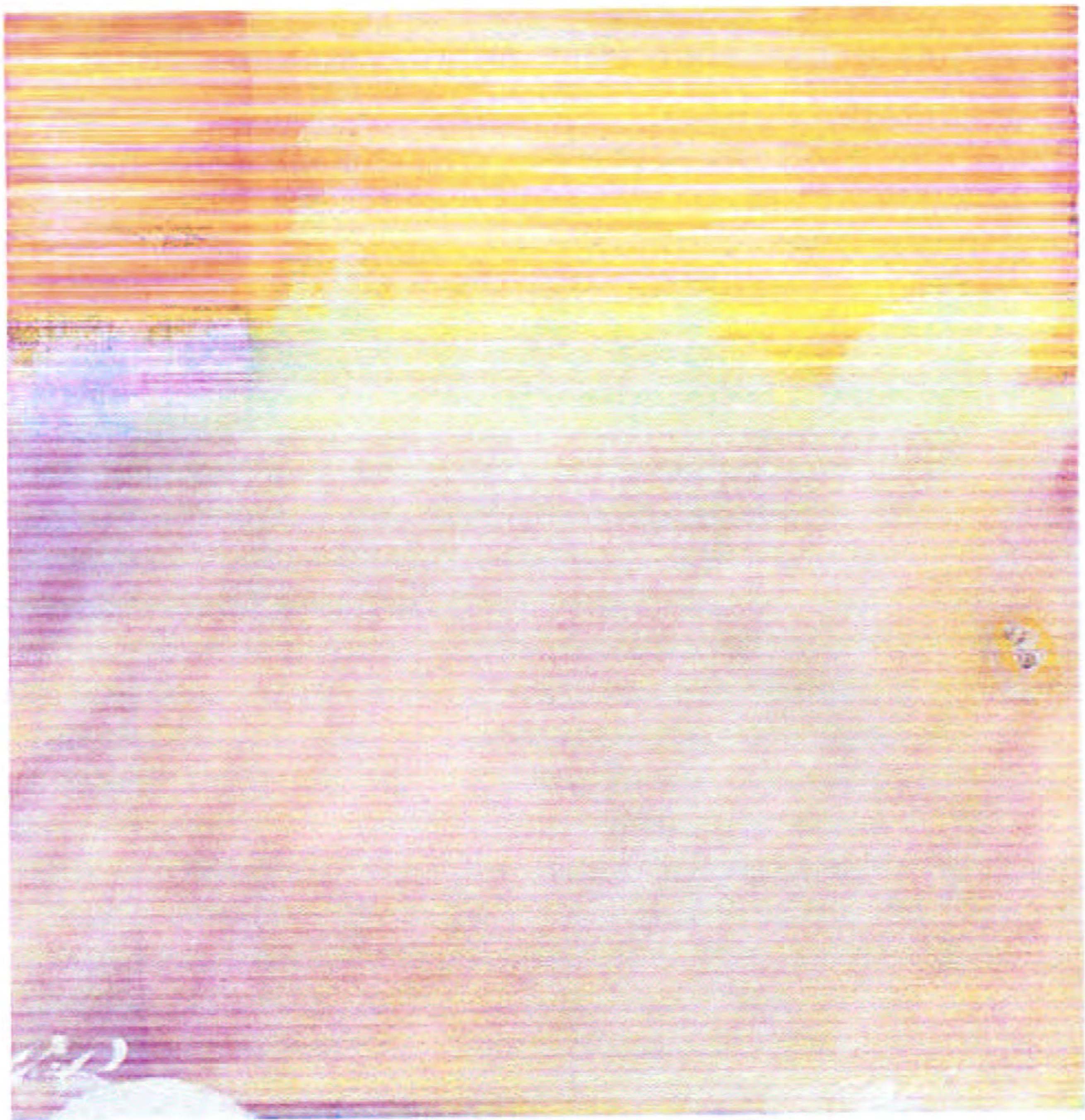


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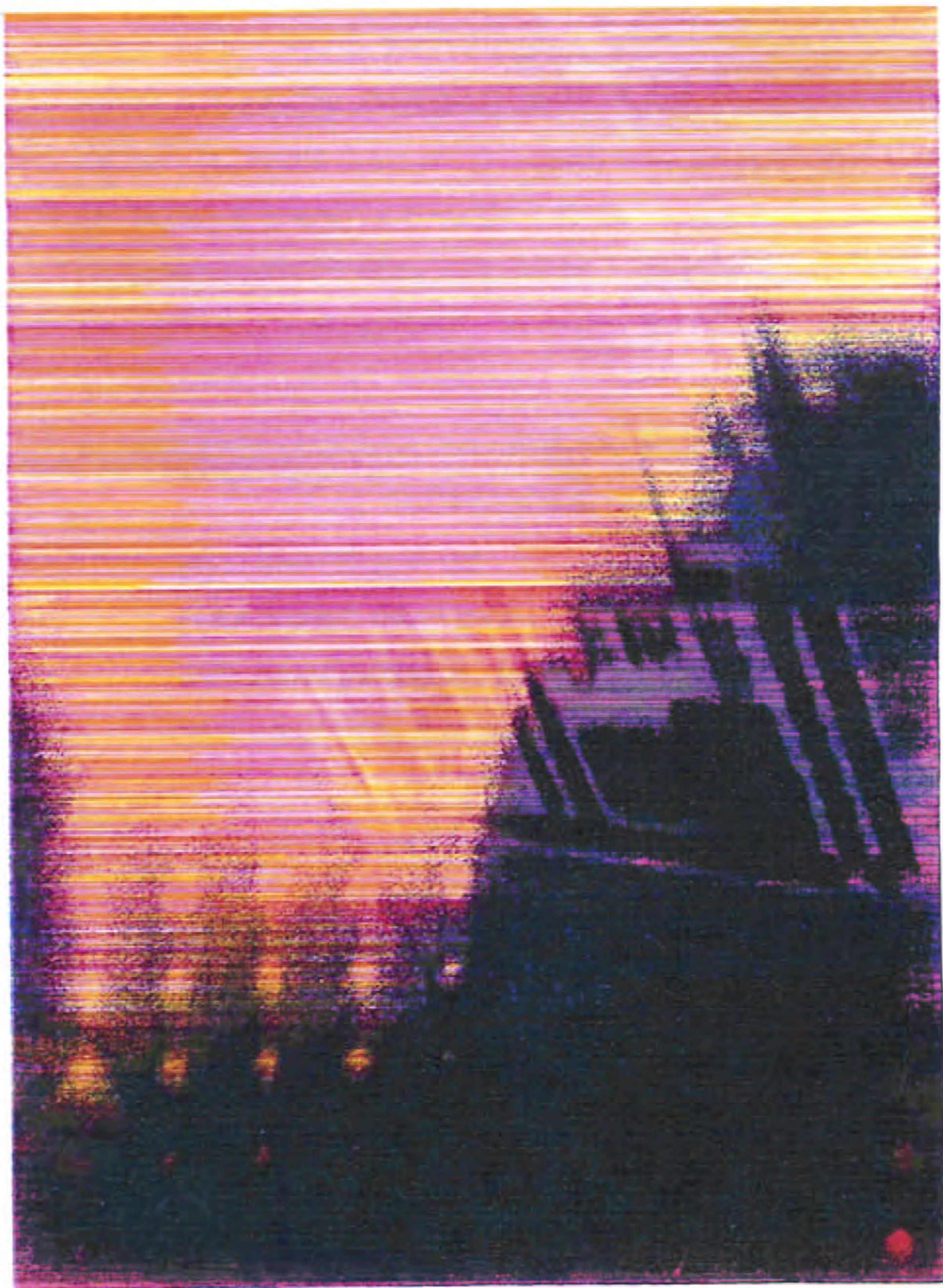












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Florentin Smarandache got a M. Sc. degree in both Mathematics and Computer Science in 1991, and a Ph. D. in Mathematics in 1997. He published 42 books in mathematics (number theory, non-euclidean geometry, logic), philosophy, literature (poems, short stories, novel, dramas, essays, translations), and art (experimental drawings, paintings, computer design, collages, photos) in Romanian, French, and English.

In mathematics there are several entries named Smarandache Functions, Sequences, Constants, and Paradoxes in international journals and encyclopedias. He generalized the fuzzy, intuitive, paraconsistent, multi-valent, dialetheist logics to the <neutrosophic logic> (also called "Smarandache Logic" in the Denis Howe's Dictionary of Computing, England) and, similarly, he generalized the fuzzy set to the <neutrosophic set>. Also, he proposed an extension of the classical probability and the imprecise probability to the <neutrosophic probability>, that he defined as a tridimensional vector whose components are real subsets of the non-standard interval $[0, 1^+]$.

In philosophy he introduced the <neutrosophy>, as a generalization of Hegel's dialectic, which is the basement of his researches in mathematics and economics, such as <neutrosophic logic>, <neutrosophic set>, <neutrosophic probability>, <neutrosophic statistics>.

In arts and literature he founded in 1980's the avant-garde movement called PARADOXISM, which has many advocates in the world. It is based on the excessive use in artistic and literary creations of contradictions, antitheses, antinomies, oxymorons, paradoxes - both at the small level and the entire level of the work - making an interesting connection between mathematics, philosophy, and literature. He introduced the <paradoxist distich>, <tautologic distich>, and <dualistic distich>, inspired from the mathematical logic. Literary experiments he realized in his dramas "Country of the Animals", where there is no dialogue!, and "An Upside-Down World", where the scenes are permuted to give birth to one billion of billions of distinct dramas! In 1999 he was proposed for the Nobel Prize in Literature.

But art was for Dr. Smarandache a hobby. He did: - graphic arts for his published volumes of verse: "Anti-chambres/ Anti-poésies/ Bizarries" (mechanical drawings), "NonPoems" (paradoxist drawings), "Dark Snow" & "Circles of light" (covers); - paradoxist collages for the "Anthology of the Paradoxist Literary Movement", by J. -M. Levenard, I. Rotaru, A. Skemer; - covers and illustrations of books, published by "Dorul" Publ. Hse., Aalborg, Denmark; - illustrations in the journal: "Dorul" (Aalborg, Denmark).

Many of his art works are held in "The Florentin Smarandache Papers" Special Collections at the Arizona State University, Tempe, and Texas State University, Austin (USA), also in the National Archives of Vâlcea and Romanian Literary Museum (Romania), and in the Musée de Bergerac (France).

He contributed to 50 scientific journals, and to over 100 literary and artistic journals from the world map.